ENGINEERED PERFORMANCE STANDARDS

BOOK NUMBER - 07

MASONRY

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FIRE BRICK: Boiler Ash Pit or Chamber (Remove, Install)

Boiler Ash Pit--Includes: install skew fire brick and insulation board; mix mortar

Boiler Chamber--Includes: chip out old brick using hammer and chisel or pneumatic chipper hammer; remove debris from work area; lay fire and insulation brick; mix mortar

TASK TIME STANDARDS LISTING

DT 001	ASH PIT:	Skew WALL	Fire BRICK & Insulation BOARD	(Install)
DT 304	CHAMBER: 4.5"thk.	WALL	Fire & Insulation BRICK	(Replace)
DT 305	CHAMBER: 9.0"thk.	WALL	Fire & Insulation BRICK	(Replace)

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

DT 001 Install skew fire brick and insulation board in boiler ash pit --Includes hand mixing mortar

000.15562 hours per square feet of installation

DT 304 Remove old and install new 4.5" thick fire and insulation brick wall in boiler chamber--INCLUDES: chipping out old brick using hammer and chisel or pneumatic chipper hammer and removing debris from work area; laying fire and insulation brick; mixing mortar/concrete

000.53681 hours per square feet of boiler chamber wall to replace

DT 305 Remove old and install new 9" thick fire and insulation brick wall in boiler chamber--INCLUDES: chipping out old brick using hammer and chisel or pneumatic chipper hammer and removing debris from work area; laying fire and insulation brick; mixing mortar/concrete

000.85068 hours per square feet of boiler chamber wall to replace

Firebrick Arch--Includes: chipping out old brick using hammer and chisel or pneumatic chipper hammer; removing debris from work area; laying fire brick; mixing mortar/concrete

TASK TIME STANDARDS LISTING

DT 016	SPAN =	2	ft	&	1	course	per row
DT 017	SPAN =	2	ft	&	2	courses	per row
DT 018	SPAN =	3	ft	&	1	course	per row
DT 019	SPAN =	3	ft	&	2	courses	per row
DT 020	SPAN =	4	ft	&	1	course	per row
DT 021	SPAN =	4	ft	&	2	courses	per row
DT 022	SPAN =	5	ft	&	1	course	per row
DT 023	SPAN =	5	ft	&	2	courses	per row
DT 024	SPAN =	6	ft	&	1	course	per row
DT 025	SPAN =	6	ft	&	2	courses	per row
DT 026	SPAN =	7	ft	&	1	course	per row
DT 027	SPAN =	7	ft	&	2	courses	per row
DT 028	SPAN =	8	ft	&	1	course	per row
DT 029	SPAN =	8	ft	&	2	courses	per row
DT 030	SPAN =	9	ft	&	1	course	per row
DT 031	SPAN =	9	ft	&	2	courses	per row
DT 032	SPAN =	10	ft	&	1	course	per row
DT 033	SPAN =	10	ft	&	2	courses	per row

DT 016 Remove old and install new fire brick arch (2 foot span, 1 course per row)--INCLUDES: chipping out old brick using hammer and chisel or pneumatic chipper hammer and removing debris from work area; laying fire brick arch; mixing mortar/concrete

000.49673 hours per rows of fire brick to replace

DT 017 Remove old and install new fire brick arch (2 foot span, 2 courses per row)--INCLUDES: chipping out old brick using hamme and chisel or pneumatic chipper hammer and removing debris from work area; laying fire brick arch; mixing mortar/concrete

000.86447 hours per rows of fire brick to replace

DT 018 Remove old and install new fire brick arch (3 foot span, 1 course per row)--INCLUDES: chipping out old brick using hammer and chisel or pneumatic chipper hammer and removing debris from work area; laying fire brick arch; mixing mortar/concrete

000.63816 hours per rows of fire brick to replace

DT 019 Remove old and install new fire brick arch (3 foot span, 2 courses per row)--INCLUDES: chipping out old brick using hamme and chisel or pneumatic chipper hammer and removing debris from work area; laying fire brick arch; mixing mortar/concrete

001.14733 hours per rows of fire brick to replace

DT 020 Remove old and install new fire brick arch (4 foot span, 1 course per row)--INCLUDES: chipping out old brick using hammer and chisel or pneumatic chipper hammer and removing debris from work area; laying fire brick arch; mixing mortar/concrete

000.77960 hours per rows of fire brick to replace

DT 021 Remove old and install new fire brick arch (4 foot span, 2 courses per row)--INCLUDES: chipping out old brick using hamme and chisel or pneumatic chipper hammer and removing debris from work area; laying fire brick arch; mixing mortar/concrete

001.55920 hours per rows of fire brick to replace

DT 022 Remove old and install new fire brick arch (5 foot span, 1 course per row)--INCLUDES: chipping out old brick using hammer and chisel or pneumatic chipper hammer and removing debris from work area; laying fire brick arch; mixing mortar/concrete

000.92103 hours per rows of fire brick to replace

DT 023 Remove old and install new fire brick arch (5 foot span, 2 courses per row)--INCLUDES: chipping out old brick using hamme and chisel or pneumatic chipper hammer and removing debris from work area; laying fire brick arch; mixing mortar/concrete

001.71308 hours per rows of fire brick to replace

DT 024 Remove old and install new fire brick arch (6 foot span, 1 course per row)--INCLUDES: chipping out old brick using hammer and chisel or pneumatic chipper hammer and removing debris from work area; laying fire brick arch; mixing mortar/concrete

001.06247 hours per rows of fire brick to replace

DT 025 Remove old and install new fire brick arch (6 foot span, 2 courses per row)--INCLUDES: chipping out old brick using hamme and chisel or pneumatic chipper hammer and removing debris from work area; laying fire brick arch; mixing mortar/concrete

001.94433 hours per rows of fire brick to replace

DT 026 Remove old and install new fire brick arch (7 foot span, 1 course per row)--INCLUDES: chipping out old brick using hammer and chisel or pneumatic chipper hammer and removing debris from work area; laying fire brick arch; mixing mortar/concrete

001.20391 hours per rows of fire brick to replace

DT 027 Remove old and install new fire brick arch (7 foot span, 2 courses per row)--INCLUDES: chipping out old brick using hamme and chisel or pneumatic chipper hammer and removing debris from work area; laying fire brick arch; mixing mortar/concrete

002.27882 hours per rows of fire brick to replace

DT 028 Remove old and install new fire brick arch (8 foot span, 1 course per row)--INCLUDES: chipping out old brick using hammer and chisel or pneumatic chipper hammer and removing debris from work area; laying fire brick arch; mixing mortar/concrete

001.40283 hours per rows of fire brick to replace

DT 029 Remove old and install new fire brick arch (8 foot span, 2 courses per row)--INCLUDES: chipping out old brick using hamme and chisel or pneumatic chipper hammer and removing debris from work area; laying fire brick arch; mixing mortar/concrete

002.56169 hours per rows of fire brick to replace

DT 030 Remove old and install new fire brick arch (9 foot span, 1 course per row)--INCLUDES: chipping out old brick using hammer and chisel or pneumatic chipper hammer and removing debris from work area; laying fire brick arch; mixing mortar/concrete

001.48678 hours per rows of fire brick to replace

DT 031 Remove old and install new fire brick arch (9 foot span, 2 courses per row)--INCLUDES: chipping out old brick using hamme and chisel or pneumatic chipper hammer and removing debris from work area; laying fire brick arch; mixing mortar/concrete

002.84456 hours per rows of fire brick to replace

DT 032 Remove old and install new fire brick arch (10 foot span, 1 course per row)--INCLUDES: chipping out old brick using hammer and chisel or pneumatic chipper hammer and removing debris from work area; laying fire brick arch; mixing mortar/concrete

001.62822 hours per rows of fire brick to replace

DT 033 Remove old and install new fire brick arch (10 foot span, 2 courses per row)--INCLUDES: chipping out old brick using hamme and chisel or pneumatic chipper hammer and removing debris from work area; laying fire brick arch; mixing mortar/concrete

003.12745 hours per rows of fire brick to replace

Fire brick replacement-Boiler or Furnace, Wall or Floor
Includes: chipping out old brick using hammer and chisel or pneumatic chipper hammer; removing debris from work area; laying fire and jamb fire brick; mixing mortar/concrete

TASK TIME STANDARDS LISTING

DT 300	WALLS	4-1/2" thick	(Replace)
DT 301	WALLS	9" thick	(Replace)
DT 303	FLOOR		(Replace)

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

DT 300 Remove old and install new 4.5" thick fire brick (with or without jamb brick) wall in furnace--INCLUDES: chipping out old brick using hammer and chisel or pneumatic chipper hammer and removing debris from work area; laying fire brick; mixing morta or concrete

000.32344 hours per square feet of furnace to replace

DT 301 Remove old and install new 9" thick fire brick (with or without jamb brick) wall in furnace--INCLUDES: chipping out old brick using hammer and chisel or pneumatic chipper hammer and removin debris from work area; laying fire brick; mixing mortar/concret

000.64356 hours per square feet of furnace wall to replace

DT 303 Remove old and install new fire brick floor in furnace --INCLUDES: chipping out old brick using hammer and chisel or portable pneumatic chipper hammer and removing debris from work area; laying fire brick; mixing mortar/concrete

000.16750 hours per square feet of furnace floor to replace

Manholes or Catch Basins-with Inlet and Outlet Lines
Includes: mixing concrete, placing and finishing 8" thick slab; preparing mortar, laying brick and/or block; installing inlet and outlet lines; placing precast concrete cover (manhole) or grate and steps(catch basin)

TASK TIME STANDARDS LISTING

DT 034	MANHOLE	- brick	48" I.D. x 6ft deep (Construct)
DT 035	MANHOLE	- concrete block	42" I.D. x 6ft deep (Construct)
DT 036	MANHOLE	- concrete block	30" I.D. x10ft deep (Construct)
DT 037	CATCH BASIN	- brick	5ft x 5ft x 4ft deep (Construct)
DT 038	CATCH BASIN	- concrete block	5ft x 5ft x 4ft deep (Construct)
DT 039	CATCH BASIN	- concrete block	4ft x 5ft x 8ft deep (Construct)

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

DT 034 Construct brick manhole, 48" inside diameter by 6ft deep with inlet and outlet lines--INCLUDES: mixing concrete, placing and finishing 8" thick slab; preparing mortar, laying block and brick; installing inlet and outlet lines; placing precast concrete cover over manhole using crane

015.54018 hours per brick manholes to construct

DT 035 Construct concrete block manhole; 42" inside diameter by 6ftdeep with inlet and outlet lines--INCLUDES: mixing concrete, placing and finishing 8" thick slab; preparing mortar and laying block; installing inlet and outlet lines; placing precast concrete cover over manhole using crane

007.62983 hours per concrete block manholes to construct

DT 036 Construct concrete block manhole; 30" inside diameter by 10ft deep with inlet and outlet lines--INCLUDES: mixing concrete, placing and finishing 8" thick slab; preparing mortar and layin concrete block; installing inlet and outlet lines; placing precast concrete cover over manhole using crane

010.16526 hours per concrete block manholes to construct

DT 037 Construct brick catch basin; 5ftx 5ftx 4ft deep, having inlet & outlet lines--INCLUDES: mixing concrete, placing and finishing 8" thick slab; preparing mortar and laying brick; installing inlet and outlet lines; placing 2 steps made from stepping stones; positioning grating on top of curb inlet

016.97330 hours per brick catch basins to construct

DT 038 Construct concrete block catch basin; 5ftx 5ftx 4ft deep, with 10" outlet--INCLUDES: mixing concrete, placing and finishing 8 thick slab; preparing mortar and laying concrete block; installing outlet line; placing 2 steps made from stepping stones; positioning grating on top of curb inlet

008.61169 hours per concrete block catch basins to construct

DT 039 Construct concrete block catch basin; 4ftx 5ftx 8ft deep, with inlet and outlet--INCLUDES: mixing concrete, placing and finishng 8" thick slab; preparing mortar and laying concrete block; installing inlet and outlet lines; placing 2 steps made from stepping stones; positioning grating on top of curb inlet

011.87966 hours per concrete block catch basins to construct

Concrete; PLACE--includes pouring, screeding and bull floating
FINISH--includes use of wood floats; steel, margin, and pointing trowels; edger; jointing/grooving tool; knee boards; covering surface for curing process

TASK TIME STANDARDS LISTING

DT 040	Place	4"thk.	SLAB or SEGMENT
DT 041	Place	6"thk.	SLAB or SEGMENT
DT 042	Place	8"thk.	SLAB or SEGMENT
DT 043	Place	bulk	FOOTINGS and FOUNDATION WALLS
DT 044	Finish		1-HAND TROWELING
DT 045	Finish		2-HAND TROWELINGS
DT 046	Finish		3-HAND TROWELINGS
DT 047	Finish		4-HAND TROWELINGS
DT 048	Finish		MACHINE TROWELING
DT 049	Finish		WOOD FLOAT
DT 050	Finish		BROOM
DT 051	Finish		BELT
DT 052	Finish	Blend-new to adjoining concrete surface using trowel	
DT 053	Finish	Edge	
DT 054	Finish	Cut Control Joints	
DT 055	Finish	Cure (covering surface with sheet of plastic)	
DT 087	Finish	Cure (misting surface with water and covering with burlap/building paper)	

DT 040 Place 4" thick concrete slab--INCLUDES: unload from transit mix truck, place, screed and bull float

000.00852 hours per square feet of 4" thick concrete slab to place

DT 041 Place 6" thick concrete slab--INCLUDES: unload from transit mix truck, place, screed and bull float

000.00942 hours per square feet of 6" thick concrete slab to place

DT 042 Place 8" thick concrete slab--INCLUDES: unload from transit mix truck, place, screed and bull float

000.01032 hours per square feet of 8" thick slab to place

DT 043 Place bulk concrete; footings and foundation walls

000.14604 hours per cubic yards of concrete to place

DT 044 Finish concrete surface; hand trowel, one troweling

000.00087 hours per square feet of concrete surface to hand trowel

DT 045 Finish concrete surface; hand trowel, two trowelings

000.00320 hours per square feet of concrete surface to hand trowel

DT 046 Finish concrete surface; hand trowel, three trowelings

000.00434 hours per square feet of concrete surface to hand trowel

DT 047 Finish concrete; hand trowel, four trowelings

000.00567 hours per square feet of concrete to hand trowel

DT 048 Finish concrete surface; machine trowel

000.00021 hours per square feet of concrete surface to machine trowel

DT 049 Finish concrete surface; wood float

000.00160 hours per square feet of concrete surface to wood float

DT 050 Finish concrete surface; broom finish

000.00546 hours per JOB SETUP TIME

000.00035 hours per square feet of concrete surface to broom finish

DT 051 Finish concrete surface; belt finish up to 10 feet wide

000.01738 hours per linear feet of up to 10' wide concrete surface to belt finish

DT 052 FINISH CONCRETE SURFACE: Blend new concrete surface with old adjoining concrete surface--INCLUDES: wood floating; 2 hand trowelings

000.00502 hours per square feet of concrete surface to blend

DT 053 Finish concrete surface; edge

000.00351 hours per feet of edging to apply to concrete surface

DT 054 Finish concrete surface; cut control joints

000.00524 hours per feet of control joints to cut in concrete surface

DT 055 Cover concrete surface with sheet(s) of plastic during curing process--INCLUDES: prepare sheet(s) of plastic; place sheet(s) of plastic over concrete surface; secure sheet(s) of plastic with weights; time for additional man as needed

000.04963 hours per sheet of plastic necessary to cover concrete surface

000.00036 hours per square feet of concrete surface to cover with plastic

DT 087 Mist newly finished concrete surface with water and cover with burlap/building paper during curing process--INCLUDES: preparin covering; misting surface with water; installing covering over misted surface;securing covering in place with boards and nails 9 additional occurrences of misting surface removing and puttin on covering each time; use of additional men as required

000.01594 hours per square feet of concrete surface to be misted and covered

Concrete Slabs and Segments; Place and Finish
BASIC--Includes: place, wood float, edge, cut control joints and cover concrete surface with mist & burlap or sheet of plastic during curing process
Note: mixing of concrete is not included in these tasks

TASK TIME STANDARDS LISTING

DT 315	4" thick	BASIC (using MIST & BURLAP)			
DT 316	4" thick	BASIC (using MIST & BURLAP)	plus	BROOM Finish	
DT 322	4" thick	BASIC (using MIST & BURLAP)	plus	BELT Finish	
DT 346	4" thick	BASIC (using MIST & BURLAP)	plus	1-add_l WOOD FLOAT	
DT 317	4" thick	BASIC (using MIST & BURLAP)	plus	1-HAND TROWELING	
DT 318	4" thick	BASIC (using MIST & BURLAP)	plus	2-HAND TROWELINGS	
DT 319	4" thick	BASIC (using MIST & BURLAP)	plus	3-HAND TROWELINGS	
DT 347	4" thick	BASIC (using MIST & BURLAP)	plus	4-HAND TROWELINGS	
DT 320	4" thick	BASIC (using MIST & BURLAP)	plus	*HARD TROWELING	
				*(4 hand trowelings + 1 machine)	
DT 056	4" thick	BASIC (using PLASTIC)			
DT 057	4" thick	BASIC (using PLASTIC)	plus	BROOM Finish	
DT 321	4" thick	BASIC (using PLASTIC)	plus	BELT Finish	
DT 344	4" thick	BASIC (using PLASTIC)	plus	1-add_l WOOD FLOAT	
DT 058	4" thick	BASIC (using PLASTIC)	plus	1-HAND TROWELING	
DT 059	4" thick	BASIC (using PLASTIC)	plus	2-HAND TROWELINGS	
DT 060	4" thick	BASIC (using PLASTIC)	plus	3-HAND TROWELINGS	
DT 345	4" thick	BASIC (using PLASTIC)	plus	4-HAND TROWELINGS	
DT 061	4" thick	BASIC (using PLASTIC)	plus	*HARD TROWELING	
				*(4 hand trowelings + 1 machine)	
DT 323	6" thick	BASIC (using MIST & BURLAP)			
DT 324	6" thick	BASIC (using MIST & BURLAP)	plus	BROOM Finish	
DT 331	6" thick	BASIC (using MIST & BURLAP)	plus	BELT Finish	
DT 325	6" thick	BASIC (using MIST & BURLAP)	plus	1-add_l WOOD FLOAT	
DT 326	6" thick	BASIC (using MIST & BURLAP)	plus	1-HAND TROWELING	
DT 327	6" thick	BASIC (using MIST & BURLAP)	plus	2-HAND TROWELINGS	
DT 349	6" thick	BASIC (using MIST & BURLAP)	plus	3-HAND TROWELINGS	
DT 328	6" thick	BASIC (using MIST & BURLAP)	plus	4-HAND TROWELINGS	
DT 329	6" thick	BASIC (using MIST & BURLAP)	plus	*HARD TROWELING	
				*(4 hand trowelings + 1 machine)	
DT 062	6" thick	BASIC (using PLASTIC)			
DT 063	6" thick	BASIC (using PLASTIC)	plus	BROOM Finish	
DT 330	6" thick	BASIC (using PLASTIC)	plus	BELT Finish	
DT 064	6" thick	BASIC (using PLASTIC)	plus	1-add_l WOOD FLOAT	
DT 065	6" thick	BASIC (using PLASTIC)	plus	1-HAND TROWELING	
DT 066	6" thick	BASIC (using PLASTIC)	plus	2-HAND TROWELINGS	

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DT 348   6" thick  BASIC (using PLASTIC)       plus   3-HAND TROWELINGS
DT 067   6" thick  BASIC (using PLASTIC)       plus   4-HAND TROWELINGS
DT 068   6" thick  BASIC (using PLASTIC)       plus  *HARD TROWELING
                                          *(4 hand trowelings + 1 machine)
DT 332   8" thick  BASIC (using MIST & BURLAP)
DT 333   8" thick  BASIC (using MIST & BURLAP) plus   BROOM Finish
DT 337   8" thick  BASIC (using MIST & BURLAP) plus   BELT  Finish
DT 334   8" thick  BASIC (using MIST & BURLAP) plus   1-add_l WOOD FLOAT
DT 340   8" thick  BASIC (using MIST & BURLAP) plus   1-HAND TROWELING
DT 341   8" thick  BASIC (using MIST & BURLAP) plus   2-HAND TROWELINGS
DT 335   8" thick  BASIC (using MIST & BURLAP) plus   3-HAND TROWELINGS
DT 342   8" thick  BASIC (using MIST & BURLAP) plus   4-HAND TROWELINGS
DT 343   8" thick  BASIC (using MIST & BURLAP) plus  *HARD TROWELING
                                          *(4 HAND TROWELINGS + 1 MACHINE)
DT 069   8" thick  BASIC (using PLASTIC)
DT 070   8" thick  BASIC (using PLASTIC)       plus   BROOM Finish
DT 336   8" thick  BASIC (using PLASTIC)       plus   BELT  Finish
DT 071   8" thick  BASIC (using PLASTIC)       plus   1-add_l WOOD FLOAT
DT 350   8" thick  BASIC (using PLASTIC)       plus   1-HAND TROWELING
DT 351   8" thick  BASIC (using PLASTIC)       plus   2-HAND TROWELINGS
DT 072   8" thick  BASIC (using PLASTIC)       plus   3-HAND TROWELINGS
DT 338   8" thick  BASIC (using PLASTIC)       plus   4-HAND TROWELINGS
DT 339   8" thick  BASIC (using PLASTIC)       plus  *HARD TROWELING
                                          *(4 hand trowelings + 1 machine)
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EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

DT 315 Place and finish 4" thick concrete slab--INCLUDES: placing concrete; wood floating; edging; cutting control joints; mistin concrete surface with water and covering with burlap/building paper for curing process (10 occurrences); use of additional me as required

000.02683 hours per square feet of 4" thick concrete slab to pl ace and finish

DT 316 Place and broom finish 4" thick concrete slab--INCLUDES: placing concrete; wood floating; applying broom finish; edging; cutting control joints; misting concrete surface with water and coverin with burlap/building paper for curing process (10 occurrences); use of additional men as required

000.00546 hours per job

000.02718 hours per square feet of 4"thick concrete slab to pla ce and broom finish

DT 322 Place and belt finish 4" thick concrete slab--INCLUDES: placing concrete; wood floating; applying belt finish; edging; cutting oontrol joints; misting concrete surface with water and coverin with burlap/building paper for curing process (10 occurrences); use of additional men as required

000.02726 hours per square feet of 4" thick concrete slab to pl ace and belt finish

DT 346 Place and finish 4" thick concrete slab--INCLUDES: placing concrete; 2 wood floatings; edging; cutting control joints; misting concrete surface with water and covering with burlap/ building paper for curing process (10 occurrences); use of additional men as required

000.02843 hours per square feet of 4" thick concrete slab to pl ace and finish

DT 317 Place and finish 4" thick concrete slab--INCLUDES: placing concrete; wood floating; 1 hand troweling; edging; cutting control joints; misting concrete surface with water and coverin with burlap/building paper for curing process (10 occurrences); use of additional men as required

000.02770 hours per square feet of 4" thick concrete slab to pl ace and finsh

DT 318 Place and finish 4" thick concrete slab--INCLUDES: placing concrete; wood floating; 2 hand trowelings; edging; cutting control joints; misting concrete surface with water and coverin with burlap/building paper for curing process (10 occurrences); use of additional men as required

000.03003 hours per square feet of 4" thick concrete slab to pl ace and finish

DT 319 Place and finish 4" thick concrete slab--INCLUDES: placing concrete; wood floating; 3 hand trowelings; edging; cutting control joints; misting concrete surface with water and coverin with burlap/building paper for curing process (10 occurrences); use of additional men as required

000.03117 hours per square feet of 4" thick concrete slab to pl ace and finish

DT 347 Place and finish 4" thick concrete slab--INCLUDES: placing concrete; wood floating; 4 hand trowelings; edging; cutting control joints; misting concrete surface with water and coverin with burlap/building paper for curing process (10 occurreces); use of additional men as required

000.03250 hours per square feet of 4" thick concrete slab to pl ace and finish

DT 320 Place and finish 4" thick concrete slab--INCLUDES: placing concrete; wood floating; hard troweling; edging; cutting control joints; misting concrete surface with water and coverin with burlap/building paper for curing process (10 occurrences); use of additional men as required
--hard troweling = 4 hand trowelings plus 1 machine troweling

000.03270 hours per square feet of 4" thick concrete slab to pl ace and finish

DT 056 Place and finish 4" thick concrete slab--INCLUDES: placing concrete; wood floating; edging; cutting control joints; covering concrete surface with sheet of plastic for curing process

000.01175 hours per square feet of 4" thick concrete slab to place and finish

DT 057 Place and broom finish 4" thick concrete slab--INCLUDES: placing concrete; wood floating; applying broom finish; edging; cutting control joints; covering concrete surface with sheet of plastic for curing process

000.00546 hours per job

000.01210 hours per square feet of 4" thick concrete slab to place and finish

DT 321 Place and belt finish 4" thick concrete slab--INCLUDES: placing concrete; wood floating; applying belt finish; edging; cutting control joints; covering concrete surface with sheet of plastic for curing process

000.01218 hours per square feet of 4" thick concrete slab to place and belt finsih

DT 344 Place and finish 4" thick concrete slab--INCLUDES: placing concrete; 2 wood floatings; edging; cutting control joints; covering concrete surface with sheet of plastic for curing process

000.01335 hours per square feet of 4" thick concrete slab to place and finish

DT 058 Place and finish 4" thick concrete slab--INCLUDES: placing concrete; wood floating; 1 hand troweling; edging; cutting control joints; covering concrete surface with sheet of plastic for curing process

000.01262 hours per square feet of 4" thick concrete slab to place and finish

DT 059 Place and finish 4" thick concrete slab--INCLUDES: placing concrete; wood floating; 2 hand trowelings; edging; cutting control joints; covering concrete surface with sheet of plastic for curing process

000.01495 hours per square feet of 4" thick concrete slab to place and finish

DT 060 Place and finish 4" thick concrete slab--INCLUDES: placing concrete; wood floating; 3 hand trowelings; edging; cutting control joints; covering concrete surface with sheet of plastic for curing process

000.01609 hours per square feet of 4" thick concrete slab to place and finish

DT 345 Place and finish 4" thick concrete slab--INCLUDES: placing concrete; wood floating; 4 hand trowelings; edging; cutting control joints; covering concrete surface with sheet of plastic for curing process

000.01262 hours per square feet of 4" thick concrete slab to place and finish

DT 061 Place and finish 4" thick concrete slab--INCLUDES: placing concrete; wood floating; hard troweling; edging; cutting contro joints; covering concrete surface with sheet of plastic for curing process
NOTE: hard troweling = 4 hand trowelings plus 1 machine troweling

000.01762 hours per square feet of 4" thick concrete slab to place and finish

DT 323 Place and finish 6" thick concrete slab--INCLUDES: placing concrete; wood floating; edging; cutting control joints; mistin concrete surface with water and covering with burlap/building paper for curing process (10 occurrences); use of additional men as required

000.02760 hours per square feet of 6" thick concrete slab to place and finish

DT 324 Place and broom finish 6" thick concrete slab--INCLUDES: placing concrete; wood floating; applying broom finish; edging; cutting control joints; misting concrete surface with water and covering with burlap/building paper for curing process; use of additional men as required

000.00546 hours per job

000.02795 hours per square feet of 6"thick concrete slab to place and broom finish

DT 331 Place and belt finish 6" thick concrete slab--INCLUDES: placing concrete; wood floating; applying belt finish; edging; cutting control joints; misting concrete surface with water and coverin with burlap/building paper for curing process (10 occurrences); use of additional men as required

000.02763 hours per square feet of 6" thick concrete slab to place and belt finish

DT 325 Place and finish 6" thick concrete slab--INCLUDES: placing concrete; 2 wood floatings; edging; cutting control joints; misting concrete surface with water and covering with burlap/ building paper for curing process (10 occurrences); use of additional men as required

000.02920 hours per square feet of 6" thick concrete slab to place and finish

DT 326 Place and finish 6 " thick concrete slab--INCLUDES: placing concrete; wood floating; 1 hand troweling; edging; cutting control joints; misting concrete surface with water and covering with burlap/building paper for curing process (10 occurrences); use of additional men as required

000.02847 hours per square feet of 6" thick concrete slab to place and finish

DT 327 Place and finish 6" thick concrete slab--INCLUDES: placing concrete; wood floating; 2 hand trowelings; edging; cutting control joints; misting concrete surface with water and coverin with burlap/building paper (10 occurrences); use of additional men as required

000.03080 hours per square feet of 6" thick concrete slab to place and finish

DT 349 Place and finish 6" thick concrete slab--INCLUDES: placing concrete; wood floating; 3 hand trowelings; edging; cutting control joints; misting concrete surface with water and coverin with burlap/building paper for curing process (10 occurrences); use of additional men as required

000.03194 hours per square feet of 6" thick concrete slab to place and finish

DT 328 Place and finish 6" thick concrete slab--INCLUDES: placing concrete; wood floating; 4 hand trowelings; edging; cutting control joints; misting concrete surface with water and coverin with burlap/building paper for curing process (10 occurrences); use of additional men as required

000.03327 hours per square feet of 6" thick concrete slab to place and finish

DT 329 Place and finish 6" thick concrete slab--INCLUDES: placing concrete; wood floating; hard troweling; edging; cutting contro joints; misting concrete surface with water and covering with burlap/building paper for curing process (10 occurrences); use of additional men as required
-hard troweling = 4 hand trowelings plus 1 machine troweling

000.03347 hours per square feet of 6" thick concrete slab to place and finish

DT 062 Place and finish 6" thick concrete slab--INCLUDES: placing concrete; wood floating; edging; cutting control joints; covering concrete surface with sheet of plastic for curing process

000.01252 hours per square feet of 6" thick concrete slab to place and finish

DT 063 Place and broom finish 6" thick concrete slab--INCLUDES: placing concrete; wood floating; applying broom finish; edging; cutting control joints; covering concrete surface with sheet of plastic for curing process

000.00546 hours per job

000.01287 hours per square feet of 6"thick concrete slab to place and broom finish

DT 330 Place and belt finish 6" thick concrete slab--INCLUDES: placing concrete; wood floating; applying belt finish; edging; cutting control joints; covering concrete surface with sheet of plastic for curing process

000.01255 hours per square feet of 6" thick concrete slab to place and belt finish

DT 064 Place and finish 6" thick concrete slab--INCLUDES: placing concrete; 2 wood floatings; edging; cutting control joints; covering concrete surface with sheet of plastic for curing process

000.01412 hours per square feet of 6" thick concrete slab to place and finish

DT 065 Place and finish 6" thick concrete slab--INCLUDES: placing concrete; wood floating; 1 hand troweling; edging; cutting control joints; covering concrete surface with sheet of plastic for curing process

000.01339 hours per square feet of 6" thick concrete slab to place and finish

DT 066 Place and finish 6" thick concrete slab--INCLUDES: placing concrete; wood floating; 2 hand trowelings; edging; cutting control joints; covering concrete surface with sheet of plastic for curing process

000.01572 hours per square feet of 6" thick concrete slab to place and finish

DT 348 Place and finish 6" thick concrete slab--INCLUDES: placing concrete; wood floating; 3 hand trowelings; edging; cutting control joints; covering concrete surface with sheet of plastic for curing process

000.01686 hours per square feet of 6" thick concrete surface to place and finish

DT 067 Place and finish 6" thick concrete slab--INCLUDES: placing concrete; wood floating; 4 hand trowelings; edging; cutting control joints; covering concrete surface with sheet of plastic for curing process

000.01819 hours per square feet of 6" thick concrete slab to place and finish

DT 068 Place and finish 6" thick concrete slab--INCLUDES: placing concrete; wood floating; hard troweling; edging; cutting contro joints; covering concrete surface with sheet of plastic for curing process
NOTE: hard troweling = 4 hand trowelings plus 1 machine troweling

000.01839 hours per square feet of 6" thick concrete slab to pl ace and finish

DT 332 Place and finish 8" thick concrete slab--INCLUDES: placing concrete; wood floating; edging; cutting control joints; mistin concrete surface with water and covering with burlap/building paper for curing process (10 occurrences); use of additional me as required

000.02879 hours per square feet of 8" thick concrete slab to pl ace and finish

DT 333 Place and broom finish 8" thick concrete slab--INCLUDES: placing concrete; wood floating; applying broom finish; edging; cutting control joints; misting concrete surface with water and coverin with burlap/building paper for curing process (10 occurrences); use of additional men as required

000.00546 hours per job

000.02914 hours per square feet of 8"thick concrete slab to pla ce and broom finish

DT 337 Place and belt finish 8" thick concrete slab--INCLUDES: placing concrete; wood floating; applying belt finish; edging; cutting control joints; misting concrete surface with water and coverin with burlap/building paper for curing process (10 occurrences); use of additional men as required

000.04617 hours per square feet of 8" thick concrete to place a nd belt finish

DT 334 Place and finish 8" thick concrete slab--INCLUDES: placing concrete; 2 wood floatings; edging; cutting control joints; misting concrete surface with water and covering with burlap/ building paper for curing process (10 occurrences); use of additional men as required

000.03039 hours per square feet of 8" thick concrete slab to pl ace and finish

DT 340 Place and finish 8" thick concrete slab--INCLUDES: placing concrete; wood floating; 1 hand troweling; edging; cutting control joints; misting concrete surface with water and coverin with burlap/building paper for curing process (10 occurrences); use of additional men as required

000.02966 hours per square feet of 8" thick concrete to place a nd finish

DT 341 Place and finish 8" thick concrete slab--INCLUDES: placing concrete; wood floating; 2 hand trowelings; edging; cutting control joints; misting concrete surface with water and coverin with burlap/building paper for curing process (10 occurrences); use of additional men as required

000.03199 hours per square feet of 8" thick concrete slab to pl ace and finish

DT 335 Place and finish 8" thick concrete slab--INCLUDES: placing concrete; wood floating; 3 hand trowelings; edging; cutting control joints; misting concrete surface with water and coverin with burlap/building paper for curing process (10 occurrences); use of additional men as required

000.03313 hours per square feet of 8" thick concrete slab to pl ace and finish

DT 342 Place and finish 8" thick concrete slab--INCLUDES: placing concrete; wood floating; 4 hand trowelings; edging; cutting control joints; misting concrete surface with water and coverin with burlap/building paper for curing process (10 occurrences); use of additional men as required

000.03446 hours per square feet of 8" thick concrete slab to pl ace and finish

DT 343 Place and finish 8" thick concrete slab--INCLUDES: placing concrete; wood floating; hard troweling; edging; cutting contro joints; misting concrete surface with water and covering with burlap/buildiing paper for curing process (10 occurrences); use of additional men as required
--hard troweling = 4 hand trowelings plus 1 machine troweling

000.03466 hours per square feet of 8" thick concrete slab to pl ace and finish

DT 069 Place and finish 8" thick concrete slab--INCLUDES: placing concrete; wood floating; edging; cutting control joints; covering concrete surface with sheet of plastic for curing process

000.01371 hours per square feet of 8" thick concrete slab to pl ace and finish

DT 070 Place and broom finish 8" thick concrete slab--INCLUDES: placing concrete; wood floating; applying broom finish; edging; cutting control joints; covering concrete surface with sheet of plastic for curing process

000.00546 hours per job

000.01406 hours per square feet of 8" thick concrete slab to pl ace & broom finish

DT 336 Place and belt finish 8" thick concrete slab--INCLUDES: placing concrete; wood floating; applying belt finish; edging; cutting control joints; covering concrete surface with sheet of plastic for curing process

000.03109 hours per square feet of 8" thick concrete slab to place and belt finish

DT 071 Place and finish 8" thick concrete slab--INCLUDES: placing concrete; 2 wood floatings; edging; cutting control joints; covering concrete surface with sheet of plastic for curing process

000.01531 hours per square feet of 8" thick concrete slab to place and finish

DT 350 Place and finish 8" thick concrete slab--INCLUDES: placing concrete; wood floating; 1 hand troweling; edging; cutting control joints; covering concrete surface with sheet of plastic for curing process

000.01458 hours per square feet of 8" thick concrete slab to place and finish

DT 351 Place and finish 8" thick concrete slab--INCLUDES: placing concrete; wood floating; 2 hand trowelings; edging; cutting control joints; covering concrete surface with sheet of plastic for curing process

000.01691 hours per square feet of 8" thick concrete slab to place and finish

DT 072 Place and finish 8" thick concrete slab--INCLUDES: placing concrete; wood floating; 3 hand trowelings; edging; cutting control joints; covering concrete surface with sheet of plastic for curing process

000.01805 hours per square feet of 8" thick concrete slab to place and finish

DT 338 Place and finish 8" thick concrete slab--INCLUDES: placing concrete; wood floating; 4 hand trowelings; edging; cutting control joints; covering concrete surface with sheet of plastic for curing process

000.01938 hours per square feet of 8" thick concrete slab to place and finish

DT 339 Place and finish 8" thick concrete slab--INCLUDES: placing concrete; wood floating; hard troweling; edging; cutting contro joints; covering concrete surface with sheet of plastic for curing process
NOTE: hard troweling = 4 hand trowelings plus 1 machine troweling

000.01958 hours per square feet of 8" thick concrete slab to place and finish

Concrete Objects/Shapes; All tasks include: place, wood float finish, edge and cover for curing; machine foundation has an additional step of broom finish; curb and gutter has the additions of broom finish and cut control joints

Note: Tasks do not include mixing of concrete

TASK TIME STANDARDS LISTING

DT 073	COLUMN or PIER	18" x 18" x 5ft high	
DT 074	CURB & GUTTER		per Linear Foot
DT 075	FOOTING	2ft wide x 1ft deep	per Linear Foot
DT 076	machine FOUNDATION	7ft x 7ft x 4ft thick	
DT 077	set of 4 STEPS	4ft wide	
DT 078	set of 6 STEPS	6ft wide	
DT 079	WALL	4ft h x 10ft long x 8" thk.	
DT 080	WALL	6ft h x 10ft long x 1ft thk.	

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

DT 073 Place and finish 18" X 18" X 5ft high concrete column or pier--INCLUDES: placing concrete; wood floating; edging; covering concrete surface with sheet of plastic for curing process

000.14961 hours per concrete columns or piers to place and finish

DT 074 Place and finish curb and gutter--INCLUDES: placing concrete; wood floating; applying broom finish; edging; cutting control joints; covering concrete surface with sheet of plastic for curing process

000.00546 hours per job

000.08713 hours per linear feet of concrete curb and gutter to place and finish

DT 075 Place and finish 2ft wide X 1ft deep concrete footing--INCLUDES: placing concrete; wood floating; edging; covering concrete surface with sheet of plastic for curing process

000.02404 hours per linear feet of 2'W X 1'D concrete footing to place and finish

DT 076 Place and finish 7ftX 7ftX 4ft deep machine foundation-INCLUDES: placing concrete; wood floating; applying broom finish; edging; covering concrete surface with sheet of plastic for curing process

001.43519 hours per 7ft X 7ft X 4ft deep machine foundations to place and finish

DT 077 Place and finish set of 4 concrete steps, 4ft wide--INCLUDES: placing concrete; 2 wood floatings; edging; covering concrete surface with sheet of plastic for curing process

000.36499 hours per set of 4 concrete steps to place and finish

DT 078 Place and finish set of 6 steps, 6ft wide--INCLUDES: placing concrete; 2 wood floatings; edging; covering concrete surface with sheet of plastic for curing process

000.86875 hours per set of 6 concrete steps to place and finish

DT 079 Place and finish 4ft high X 10ft long X 8" thick concrete wall --INCLUDES: placing concrete; wood floating; edging; covering concrete surface with sheet of plastic for curing process

000.30231 hours per 4ft high X 10ftlong X 8" thick concrete wal ls to place & finis

DT 080 Place and finish 6ft high X 10ft long X 12" thick concrete wall- INCLUDES: placing concrete; wood floating; edging; covering concrete surface with sheet of plastic for curing process

000.65970 hours per 6ft high X 10ftlong X 12" thick concrete wa ll to place & finis

Concrete: Mix
Hand mix: Time values per cubic foot of mixed concrete based on 1/2 bag of cement (1/2 cubic foot), seven shovelfuls of sand (1 cubic foot), and 14 shovelfuls of gravel (2 cubic foot). 3-1/2 cubic foot of dry mix reduces by 33% in volume when water is added, yielding 2.33 cubic foot of mixed concrete.
Machine mix: Time values are per cubic yard of mixed concrete based on same quantities as defined for hand mixing where 12 of 1/2 bag batches equal 1 cubic yard. Capacity of average portable mixer equals quantities as defined for 1/2 bag batch.

TASK TIME STANDARDS LISTING

DT 088	Hand	MIX
DT 090	Machine	MIX

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

DT 088 Hand mix concrete.

000.15338 hours per cubic feet

DT 090 Machine mix concrete.

001.15728 hours per cubic yards

Break Up and Remove Concrete Slab--INCLUDES: setting up pneumatic hammer; breaking up concrete using pneumatic hammer; loosening concrete with pick; setting up acetylene torch and burning off reinforcement rods as required; loading debris on nearby truck by hand or machine (occurrenced)
DOES NOT INCLUDE: TIME TO LOAD DEBRIS IN WHEELBARROW AND MOVE TO TRUCK; USE OF CONCRETE SAW

TASK TIME STANDARDS LISTING

DT 081	4"thk.	non-reinforced	SLABS
DT 084	4"thk.	reinforced	SLABS
DT 082	6"thk.	non-reinforced	SLABS
DT 083	8"thk.	non-reinforced	SLABS
DT 085	8"thk.	reinforced	SLABS
DT 086	12"thk.	reinforced	SLABS

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

DT 081 Break up 4" thick non-reinforced concrete, remove debris.

000.05642 hours per square feet

DT 084 Break-up 4" reinforced concrete and remove debris.

000.00960 hours per JOB SETUP TIME

000.07142 hours per square feet

DT 082 Break-up 6" non-reinforced concrete and remove debris.

000.08250 hours per square feet

DT 083 Break-up 8" non-reinforced concrete and remove debris.

000.10858 hours per square feet

DT 085 Break-up 8" reinforced concrete and remove debris.

000.00960 hours per JOB SETUP TIME

000.12178 hours per square feet

DT 086 Break up 12" thick reinforced concrete using pneumatic hammer, loosen broken pieces with pick, torch cut reinforcing rods and load debris on truck with front end loader

000.00965 hours per JOB SETUP TIME

000.17186 hours per square feet

Place wire mesh in concrete form to provide reinforcement for concrete

TASK TIME STANDARDS LISTING

DT 306 Place WIRE MESH for Concrete Slab

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

DT 306 Place Wire Mesh in form before concrete is poured--INCLUDES: rolling out and cutting section of wire mesh to length with han tool; bending edge of wire as needed to hold off ground; placin section in form

000.02676 hours per JOB SETUP TIME

000.00076 hours per square feet of wire mesh to be placed

CONCRETE: (Drill Holes)
3/8" to 1-1/4" dia. w/ star drill/carbide tipped core drill

Drill holes in concrete wall using electric hand hammer and star drill; drill motor and carbide tipped core drill
*(Sdrill = w/ Star Drill; Cdrill = w/ Carbide Tipped Core Drill)
Tasks INCLUDE: start hole using stone drill and hammer; set up electric hand hammer or drill motor; position drill to location and drill desired hole; clean out hole; measure hole; clean up work location; remove concrete core from core drill and discard; dismantle tools
NOTE: When work needs to be performed from a ladder or with a ladder and pry, see chapter entitled "Ladder or Ladder and Pry" for additional time for the task.

TASK TIME STANDARDS LISTING

DT 098	3/8" dia. hole	4" deep	*Sdrill
DT 099	3/8" dia. hole	7" deep	*Sdrill
DT 100	3/8" dia. hole	10" deep	*Sdrill
DT 101	3/4" dia. hole	7" deep	*Sdrill
DT 102	3/4" dia. hole	9" deep	*Sdrill
DT 103	3/4" dia. hole	10" deep	*Sdrill
DT 104	3/4" dia. hole	4" deep	*Cdrill
DT 105	3/4" dia. hole	8" deep	*Cdrill
DT 106	1-1/4" dia. hole	15" deep	*Cdrill

DT 098 Drill 3/8" dia. hole 4" deep in concrete wall using electric hand hammer and star drill--INCLUDES: set up and disassembly o electric hand tool; drilling of hole; moving to next hole after first hole

000.03528 hours per JOB SETUP TIME

000.12561 hours per 3/8"dia.x4"dp holes to be drilled w/ ele ha mmer and star drill

DT 099 Drill 3/8" diameter hole 7" deep in concrete wall, use electric hand hammer and star drill.

000.03528 hours per JOB SETUP TIME

000.16746 hours per holes

DT 100 Drill 3/8" diameter hole 10" deep in concrete wall, use electric hand hammer and star drill.

000.03528 hours per JOB SETUP TIME

000.20931 hours per holes

DT 101 Drill 3/4" diameter hole 7" deep in concrete wall, use electric hand hammer and star drill.

000.03528 hours per JOB SETUP TIME

000.20666 hours per holes

DT 102 Drill 3/4" diameter hole 9" deep in concrete wall, use electric hand hammer and star drill.

000.03528 hours per JOB SETUP TIME

000.24436 hours per holes

DT 103 Drill 3/4" diameter hole 10" deep in concrete wall, use electric hand hammer and star drill.

000.03528 hours per JOB SETUP TIME

000.26321 hours per holes

DT 104 Drill 3/4" dia. hole 4" deep in concrete wall using electric hand drill and carbide tipped core drill--INCLUDES: set up and disassembly of electric hand drill; installation and removal of carbide tipped core drill; drilling of hole; removal of core from drill; moving to next hole after first hole

000.11668 hours per JOB SETUP TIME

000.20632 hours per 3/4" dia. X 4" deep holes to be drilled w/ carbide core drill

DT 105 Drill 3/4" diameter hole 8" deep in concrete wall, use carbide tipped core drill.

000.11668 hours per JOB SETUP TIME

000.37764 hours per holes

DT 106 Drill 1-1/4" diameter hole 15" deep in concrete wall, use carbide tipped core drill.

000.11668 hours per JOB SETUP TIME

000.20729 hours per holes

CONCRETE faced w/ GLAZED TILE or TERRAZZO: (Drill Holes)
3/4" to 1-1/4" dia. w/ carbide tipped core drill

Drill holes in concrete wall faced with glazed tile or terrazzo using electric drill motor and carbide tipped core drill --INCLUDES: start hole using stone drill and hammer; set up electric drill motor; position drill to location and drill desired hole(s); straighten and/or clean out hole; clean up work location; remove concrete core from core drill and discard; move drill to next hole as needed; dismantle tools NOTE: When work needs to be performed from a ladder or with a ladder and pry, see chapter entitled "Ladder or Ladder and Pry" for additional time for the task.

TASK TIME STANDARDS LISTING

DT 107	3/4" dia.	1-1/2" deep	CONCRETE WALL faced with GLAZED TILE
DT 108	1-1/4" dia.	4" deep	CONCRETE WALL faced with GLAZED TILE

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

DT 107 Drill 3/4" diameter hole 1-1/2" deep in concrete wall faced with glazed tile using electric hand drill and carbide tipped drill bit--INCLUDES: set up and disassembly of electric hand tool; installation and removal of carbide tipped drill bit; drilling of hole; moving to next hole after first hole

000.11668 hours per JOB SETUP TIME

000.09924 hours per 3/4"dia.x1-1/2"dp holes to be drilled w/ el e drill&carbide bit

DT 108 Drill 1-1/4" diameter hole 4" deep in concrete wall faced with glazed tile.

000.11668 hours per JOB SETUP TIME

000.12149 hours per holes

CONCRETE BLOCK or CONCRETE BLOCK faced w/GLAZED TILE: (Drill)
3/4" to 1-1/4" dia. w/ carbide tipped core drill

Drill hole(s) in concrete block or concrete block faced with glazed tile using electric drill motor and carbide tipped core drill--INCLUDES: start hole using stone drill and hammer; set up electric drill motor(s) to drill hard and/or soft material; position drill(s) to location and drill desired hole(s); straighten and/or clean out hole(s); clean up work location; remove core from core drill and discard; move drill to next hole as needed; dismantle tools
NOTE: When work needs to be performed from a ladder or with a ladder and pry, see chapter entitled "Ladder or Ladder and Pry" for additional time for the task.

TASK TIME STANDARDS LISTING

DT 091	3/4" dia.	4" deep	CONCRETE BLOCK WALL
DT 092	3/4" dia.	12" deep	CONCRETE BLOCK WALL
DT 093	1-1/4" dia.	8" deep	CONCRETE BLOCK WALL
DT 094	1-1/4" dia.	12" deep	CONCRETE BLOCK WALL
DT 095	3/4" dia.	1-1/2" deep	CONCRETE BLOCK WALL faced with GLAZED TILE
DT 096	3/4" dia.	9" deep	CONCRETE BLOCK WALL faced with GLAZED TILE
DT 097	1-1/4" dia.	9" deep	CONCRETE BLOCK WALL faced with GLAZED TILE

DT 091 Drill 3/4" diameter hole 4" deep in concrete block wall using carbide tipped core drill.

000.11668 hours per JOB SETUP TIME

000.07832 hours per holes

DT 092 Drill 3/4" diameter hole 12" deep in concrete block wall, use carbide tipped core drill.

000.11668 hours per JOB SETUP TIME

000.16496 hours per holes

DT 093 Drill 1-1/4" diameter hole 8" deep in concrete block wall, use carbide tipped core drill.

000.11668 hours per JOB SETUP TIME

000.15844 hours per holes

DT 094 Drill 1-1/4" diameter hole 12" deep in concrete block wall, use carbide tipped core drill.

000.11668 hours per JOB SETUP TIME

000.22016 hours per holes

DT 095 Drill 3/4" diameter hole 1-1/2" deep in concrete block wall faced with glazed tile.

000.11668 hours per JOB SETUP TIME

000.11024 hours per holes

DT 096 Drill 3/4" diameter hole 9" deep in concrete block wall faced with glazed tile.

000.11668 hours per JOB SETUP TIME

000.19147 hours per holes

DT 097 Drill 1-1/4" diameter hole 9" deep in concrete block wall faced with glazed tile.

000.11668 hours per JOB SETUP TIME

000.25844 hours per holes

CINDER BLOCK, BRICK or Clay TILE: (Drill Holes)
3/4" to 1-1/4" dia. w/ carbide tipped core drill

Drill holes in soft masonry materials to include cinder block, brick and clay tile walls using electric drill motor and carbide tipped core drill--INCLUDES: start hole using stone drill and hammer; set up electric drill motor; position drill to location and drill desired hole(s); straighten and/or clean out hole; clean up work location; remove masonry core from core drill; move drill to next hole as needed; dismantle tools
NOTE: When work needs to be performed from a ladder or with a ladder and pry, see chapter entitled "Ladder or Ladder and Pry" for additional time for the task.

TASK TIME STANDARDS LISTING

DT 109	3/4" dia.	8" deep	in CINDER BLOCK
DT 110	3/4" dia.	4" deep	in BRICK or CLAY TILE
DT 111	3/4" dia.	12" deep	in BRICK or CLAY TILE
DT 112	1-1/4" dia.	4" deep	in BRICK or CLAY TILE
DT 113	1-1/4" dia.	12" deep	in BRICK or CLAY TILE

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

DT 109 Drill 3/4" diameter hole 8" deep in cinder block wall, use carbide tipped drill.

000.11668 hours per JOB SETUP TIME

000.12164 hours per holes

DT 110 Drill 3/4" diameter hole 4" deep in brick or clay wall, use carbide tipped core drill.

000.11668 hours per JOB SETUP TIME

000.07832 hours per holes

DT 111 Drill 3/4" diameter hole 12" deep in brick or clay wall, use carbide tipped core drill.

000.11668 hours per JOB SETUP TIME

000.16496 hours per holes

DT 112 Drill 1-1/4" diameter hole 4" deep in brick wall, use carbide tipped core drill.

000.11668 hours per JOB SETUP TIME

000.09672 hours per holes

DT 113 Drill 1-1/4" diameter hole 12" deep in brick wall, use carbide tipped core bit.

000.11668 hours per JOB SETUP TIME

000.22016 hours per holes

Holes, Drill: Reinforced Concrete Using a 60 to 90 Pound PNEUMATIC HAMMER; Holes are 1-1/2" to 2" in dia.

TASK TIME STANDARDS LISTING

DT 120	5" deep	in the	FLOOR
DT 114	5" deep	in a	WALL
DT 117	5" deep	in a	WALL, using a large drill fixture
DT 121	10" deep	in the	FLOOR
DT 115	10" deep	in a	WALL
DT 118	10" deep	in a	WALL, using a large drill fixture
DT 122	15" deep	in the	FLOOR
DT 116	15" deep	in a	WALL
DT 119	15" deep	in a	WALL, using a large drill fixture

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

DT 120 Drill holes 5" deep in concrete floor using a 60 to 90 pound pneumatic hammer.

000.10456 hours per holes

DT 114 Drill holes 5" deep in concrete wall using a 60 to 90 pound pneumatic hammer.

000.14328 hours per holes

DT 117 Drill holes 5" deep in concrete wall using a 60 to 90 pound pneumatic hammer and fixture.

000.75092 hours per holes

DT 121 Drill holes 10" deep in concrete floor using a 60 to 90 pound pneumatic hammer.

000.14676 hours per holes

DT 115 Drill holes 10" deep in concrete wall using a 60 to 90 pound pneumatic hammer.

000.22148 hours per holes

DT 118 Drill holes 10" deep in concrete wall using a 60 to 90 pound pneumatic hammer and fixture.

000.82912 hours per holes

DT 122 Drill holes 15" deep in concrete floor using a 60 to 90 pound pneumatic hammer.

000.18896 hours per holes

DT 116 Drill holes 15" deep in concrete wall using a 60 to 90 pound pneumatic hammer.

000.29968 hours per holes

DT 119 Drill holes 15" deep in concrete wall using a 60 to 90 pound pneumatic hammer.

000.90732 hours per holes

Holes, Drill: Drill holes through reinforced concrete using a Diamond Tipped Core Drill bit. Time is allowed to set up core drill and to drill through the reinforced concrete.
NOTE: Task DT 311 may be substituted for Tasks DT 123 thru DT 126 when water source is available on site.

TASK TIME STANDARDS LISTING

DT 123	2-1/2" dia.	4" deep,	2 RODS per hole
DT 124	2-1/2" dia.	12" deep,	2 RODS per hole
DT 125	2-1/2" dia.	12" deep,	4 RODS per hole
DT 126	2-1/2" dia.	15" deep,	4 RODS per hole
DT 127	2-1/2" dia.	18" deep,	2 RODS per hole
DT 128	2-1/2" dia.	18" deep,	4 RODS per hole
DT 129	2-1/2" dia.	24" deep,	2 RODS per hole
DT 130	2-1/2" dia.	24" deep,	4 RODS per hole
DT 131	4" dia.	6" deep,	2 RODS per hole
DT 132	4" dia.	10" deep,	2 RODS per hole
DT 133	4" dia.	15" deep,	4 RODS per hole
DT 134	4" dia.	18" deep,	2 RODS per hole
DT 135	4" dia.	24" deep,	2 RODS per hole
DT 136	4" dia.	24" deep,	4 RODS per hole
DT 311	Up to 3" dia.	12" deep	(May substitute for DT 123 - DT 126 if water supply is available on site)

DT 123 Drill 2-1/2" diameter holes 4" deep through two steel rods and concrete, use diamond core drill.

000.08268 hours per JOB SETUP TIME

001.00209 hours per holes

DT 124 Drill 2-1/2" diameter holes 12" deep through two steel rods and concrete, use diamond core drill.

000.08268 hours per JOB SETUP TIME

001.23857 hours per holes

DT 125 Drill 2-1/2" diameter holes 12" deep through four steel rods and concrete, use diamond core drill.

000.08268 hours per JOB SETUP TIME

001.61346 hours per holes

DT 126 Drill 2-1/2" diameter holes 15" deep through four steel rods and concrete, use diamond core drill.

000.08268 hours per JOB SETUP TIME

001.70214 hours per holes

DT 127 Drill 2-1/2" diameter holes 18" deep through two steel rods and concrete, use diamona core drill.

000.08268 hours per JOB SETUP TIME

001.58873 hours per holes

DT 128 Drill 2-1/2" diameter hole 18" deep through four steel rods and concrete, use diamond core drill.

000.08268 hours per JOB SETUP TIME

001.96362 hours per holes

DT 129 Drill 2-1/2" diameter hole 24" deep through two steel rods and concrete, use diamond core drill.

000.08268 hours per JOB SETUP TIME

001.76609 hours per holes

DT 130 Drill 2-1/2" diameter holes 24" deep through four steel rods and concrete, use diamond core drill.

000.08268 hours per JOB SETUP TIME

002.14098 hours per holes

DT 131 Drill 4" diameter holes 6" deep through two steel rods and concrete, use diamond core drill.

000.08268 hours per JOB SETUP TIME

001.16921 hours per holes

DT 132 Drill 4" diameter holes 10" deep through two steel rods and concrete, use diamond core drill.

000.08268 hours per JOB SETUP TIME

001.38345 hours per holes

DT 133 Drill 4" diameter holes 15" deep through four steel rods and concrete, use diamond core drill.

000.08268 hours per JOB SETUP TIME

001.99014 hours per holes

DT 134 Drill 4" diameter holes 18" deep through two steel rods and concrete, use diamond core drill.

000.08268 hours per JOB SETUP TIME

001.98473 hours per holes

DT 135 Drill 4" diameter holes 24" deep through two steel rods and concrete, use diamond core drill.

000.08268 hours per JOB SETUP TIME

002.30609 hours per holes

DT 136 Drill 4" diameter holes 24" deep through four steel rods and concrete, use diamond core drill.

000.08268 hours per JOB SETUP TIME

002.64498 hours per holes

DT 311 Drill up to 3 inch diameter hole up to 12 inches deep in reinforced concrete with diamond tipped core drill. Substitute for DT 123 - DT 126 when water supply is available a site where drilling is performed.

000.17087 hours per holes

000.02612 hours per inches of depth (total of all holes drilled)

Holes, Drill: Install Expansion Shields
All holes are 3/4" diameter and 1-1/4" deep.

TASK TIME STANDARDS LISTING

DT 144	3/4"Dx1.25"deep-in	BRICK or CONCRETE	w/o	ladder
DT 145	3/4"Dx1.25"deep-in	BRICK or CONCRETE	w/	ladder
DT 146	3/4"Dx1.25"deep-in	CONCRETE or glazed TILE	w/o	ladder
DT 147	3/4"Dx1.25"deep-in	CONCRETE or glazed TILE	w/	ladder

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

DT 144 Drill holes in brick or concrete block and install expansion shields.

000.11668 hours per JOB SETUP TIME

000.07875 hours per holes

DT 145 Drill holes in brick or concrete block and install expansion shields - ladder used.

000.11668 hours per JOB SETUP TIME

000.10213 hours per holes

DT 146 Drill holes 1-1/2" deep in concrete or glazed tile, install expansion shields.

000.11668 hours per JOB SETUP TIME

000.12675 hours per holes

DT 147 Drill holes in concrete or glazed tile and install expansion shields - ladder used.

000.11668 hours per JOB SETUP TIME

000.14620 hours per holes

Holes: Drill and Chip--Drilled using CARBIDE TIPPED CORE DRILL
--Chipped using HAMMER and CHISEL

TASK TIME STANDARDS LISTING

DT 202	3" dia.	in BRICK	4" deep
DT 203	4" dia.	in BRICK	4" deep
DT 204	4" dia.	in BRICK	8" deep
DT 205	4" dia.	in BRICK	12" deep
DT 201	3" dia.	in CLAY TILE	4" deep
DT 207	3" dia.	in CONCRETE BLOCK	8" deep
DT 208	4" dia.	in CONCRETE BLOCK	8" deep
DT 206	3" dia.	in CONCRETE	12" deep

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

DT 202 Drill and chip 3" diameter holes, 4" deep in brick with carbide drill, hammer and chisel.

000.11668 hours per JOB SETUP TIME

000.42170 hours per 3" diameter holes

DT 203 Drill and chip 4" diameter holes, 4" deep in brick with carbide tipped core drill, hammer and chisel.

000.11668 hours per JOB SETUP TIME

000.36681 hours per 4" diameter holes

DT 204 Drill and chip 4" diameter holes, 8" deep in brick with carbide drill, hammer and chisel.

000.11668 hours per JOB SETUP TIME

001.02602 hours per 4" diameter holes

DT 205 Drill and chip 4" diameter holes, 12" deep in brick with carbide core drill, hammer and chisel.

000.11668 hours per JOB SETUP TIME

001.39986 hours per 4" diameter holes

DT 201 Drill and chip 3" diameter holes, 4" deep in clay tile with carbide drill, hammer and chisel.

000.11668 hours per JOB SETUP TIME

000.42419 hours per 3" diameter holes

DT 207 Drill and chip 3" diameter holes, 8" deep in concrete block with carbide drill, hammer and chisel.

000.11668 hours per JOB SETUP TIME

000.64503 hours per 3" diameter holes

DT 208 Drill and chip 4" diameter holes, 8" deep in concrete block with carbide drill, hammer and chisel.

000.11668 hours per JOB SETUP TIME

001.02602 hours per 4" diameter holes

DT 206 Drill and chip 3" diameter holes, 12" deep in concrete with carbide tipped drill, hammer and chisel.

000.11668 hours per JOB SETUP TIME

000.87086 hours per 3" diameter holes

Holes: Chip Square or Round Holes in Concrete using HAMMER and CHISEL
For additional time required when using a ladder, or a ladder and pry, use the chapter entitled, "Ladder or Ladder and Pry: Additional Time For Drilling and/or Chipping"

TASK TIME STANDARDS LISTING

DT 148	Square holes,	5" x 5" x	4" deep
DT 149	Square holes,	5" x 5" x	6" deep
DT 150	Square holes,	5" x 5" x	8" deep
DT 151	Square holes,	7" x 7" x	6" deep
DT 152	Square holes,	7" x 7" x	8" deep
DT 153	Square holes,	10" x10" x	6" deep
DT 154	Square holes,	10" x10" x	8" deep
DT 155	Round holes,	8" dia. x	6" deep
DT 156	Round holes,	11" dia. x	6" deep
DT 157	Round holes,	11" dia. x	8" deep

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

DT 148 Chip 5" x 5" holes, 4" deep in concrete wall using hammer and chisel.

000.61684 hours per holes

DT 149 Chip 5" x 5" holes, 6" deep in concrete wall using hammer and chisel.

000.90434 hours per holes

DT 150 Chip 5" x 5" holes, 8" deep in concrete wall using hammer and chisel.

001.19184 hours per holes

DT 151 Chip 7" x 7" holes, 6" deep in concrete wall using hammer and chisel.

001.73234 hours per holes

DT 152 Chip 7" x 7" holes, 8" deep in concrete wall using hammer and chisel.

002.29584 hours per holes

DT 153 Chip 10" x 10" holes, 6" deep in concrete wall using hammer and chisel.

003.49184 hours per holes

DT 154 Chip 10" x 10" holes, 8" deep in concrete wall using hammer and chisel.

004.64184 hours per holes

DT 155 Chip 8" diameter holes, 6" deep in concrete wall using hammer and chisel.

001.73234 hours per holes

DT 156 Chip 11" diameter holes 6" deep in concrete wall using hammer and chisel.

003.49184 hours per holes

DT 157 Chip 11" diameter holes 8" deep in concrete wall using hammer and chisel.

004.64184 hours per holes

Holes: Chip in Reinforced Concrete Floor using PNEUMATIC HAND CHIPPER HAMMER

TASK TIME STANDARDS LISTING

DT 159	Square holes,	5"	x 5"	x	4" deep
DT 160	Square holes,	5"	x 5"	x	6" deep
DT 161	Square holes,	5"	x 5"	x	8" deep
DT 162	Square holes,	10"	x10"	x	4" deep
DT 163	Square holes,	10"	x10"	x	6" deep
DT 164	Square holes,	10"	x10"	x	8" deep
DT 165	Square holes,	15"	x15"	x	4" deep
DT 166	Square holes,	15"	x15"	x	6" deep
DT 167	Square holes,	15"	x15"	x	8" deep
DT 168	Square holes,	20"	x20"	x	4" deep
DT 169	Square holes,	20"	x20"	x	6" deep
DT 170	Square holes,	20"	x20"	x	8" deep
DT 171	Square holes,	25"	x25"	x	4" deep
DT 172	Square holes,	25"	x25"	x	6" deep
DT 173	Square holes,	25"	x25"	x	8" deep
DT 174	Round holes,	6"	dia.	x	4" deep
DT 175	Round holes,	6"	dia.	x	8" deep
DT 176	Round holes,	11"	dia.	x	4" deep
DT 177	Round holes,	11"	dia.	x	8" deep
DT 178	Round Holes,	17"	dia.	x	4" deep
DT 179	Round holes,	17"	dia.	x	6" deep
DT 180	Round holes,	28"	dia.	x	6" deep
DT 181	Round holes,	28"	dia.	x	8" deep

DT 159 Chip 5" x 5" holes, 4" deep in reinforced concrete floor with pneumatic hand chipper.

000.06967 hours per JOB SETUP TIME

000.36704 hours per holes

DT 160 Chip 5" x 5" hole, 6" deep in reinforced concrete with pneumatic hand chipper hammer.

000.06967 hours per JOB SETUP TIME

000.43862 hours per holes

DT 161 Chip 5" x 5" holes, 8" deep in reinforced concrete pneumatic hand chipper hammer.

000.06967 hours per JOB SETUP TIME

000.51019 hours per holes

DT 162 Chip 10" x 10" holes, 4" deep in reinforced concrete with pneumatic hand chipper hammer.

000.06967 hours per JOB SETUP TIME

000.79403 hours per holes

DT 163 Chip 10" x 10" holes, 6" deep in reinforced concrete with pneumatic hand chipper hammer.

000.06967 hours per JOB SETUP TIME

001.08033 hours per holes

DT 164 Chip 10" x 10" hole, 8" deep in reinforced concrete with pneumatic hand chipper hammer.

000.06967 hours per JOB SETUP TIME

001.36416 hours per holes

DT 165 Chip 15" x 15" holes, 4" deep in reinforced concrete with pneumatic hand chipper hammer.

000.06967 hours per JOB SETUP TIME

001.50978 hours per holes

DT 166 Chip 15" x 15" holes, 6" deep in reinforced concrete with pneumatic hand chipper hammer.

000.06967 hours per JOB SETUP TIME

002.15148 hours per holes

DT 167 Chip 15" x 15" holes, 8" deep in reinforced concrete with pneumatic hand chipper hammer.

000.06967 hours per JOB SETUP TIME

002.79566 hours per holes

DT 168 Chip 20" x 20" holes, 4" deep in reinforced concrete with pneumatic hand chipper hammer.

000.06967 hours per JOB SETUP TIME

002.59821 hours per holes

DT 169 Chip 20" x 20" holes, 6" deep in reinforced concrete with pneumatic hand chipper hammer.

000.06967 hours per JOB SETUP TIME

003.65209 hours per holes

DT 170 Chip 20" x 20" holes, 8" deep in reinforced concrete with pneumatic hand chipper hammer.

000.06967 hours per JOB SETUP TIME

004.79482 hours per holes

DT 171 Chip 25" x 25" holes, 4" deep in reinforced concrete with pneumatic hand chipper hammer.

000.06967 hours per JOB SETUP TIME

003.79524 hours per holes

DT 172 Chip 25" x 25" holes, 6" deep in reinforced concrete with pneumatic hand chipper hammer.

000.06967 hours per JOB SETUP TIME

005.57967 hours per holes

DT 173 Chip 25" x 25" holes, 8" deep in reinforced concrete with pneumatic hand chipper hammer.

000.06967 hours per JOB SETUP TIME

007.36658 hours per holes

DT 174 Chip 6" diameter holes, 4" deep in reinforced concrete with pneumatic hand chipper hammer.

000.06967 hours per JOB SETUP TIME

000.36704 hours per holes

DT 175 Chip 6" diameter holes, 8" deep in reinforced concrete with pneumatic hand chipper hammer.

000.06967 hours per JOB SETUP TIME

000.51019 hours per holes

DT 176 Chip 11" diameter holes, 4" deep in reinforced concrete with pneumatic hand chipper hammer.

000.06967 hours per JOB SETUP TIME

000.79403 hours per holes

DT 177 Chip 11" diameter holes, 8" deep in reinforced concrete with pneumatic hand chipper hammer.

000.06967 hours per JOB SETUP TIME

001.36663 hours per holes

DT 178 Chip 17" diameter holes, 4" deep in reinforced concrete with pneumatic hand chipper hammer.

000.06967 hours per JOB SETUP TIME

001.50978 hours per holes

DT 179 Chip 17" diameter holes, 6" deep in reinforced concrete with pneumatic hand chipper hammer.

000.06967 hours per JOB SETUP TIME

002.15148 hours per holes

DT 180 Chip 28" diameter holes, 6" deep in reinforced concrete with pneumatic hand chipper hammer.

000.06967 hours per JOB SETUP TIME

005.57967 hours per holes

DT 181 Chip 28" diameter holes, 8" deep in reinforced concrete with pneumatic hand chipper hammer.

000.06967 hours per JOB SETUP TIME

007.35670 hours per holes

Holes: Chip in Brick or Ceramic Tile using HAMMER and CHISEL

TASK TIME STANDARDS LISTING

DT 193	Brick	SQUARE Hole	5" x 5"	4" deep
DT 194	Brick	SQUARE Hole	5" x 5"	6" deep
DT 195	Brick	SQUARE Hole	7" x 7"	6" deep
DT 196	Brick	SQUARE Hole	10" x 10"	6" deep
DT 197	Brick	SQUARE Hole	10" x 10"	8" deep
DT 198	Brick	ROUND Hole	6" dia.	4" deep
DT 199	Brick	ROUND Hole	6" dia.	6" deep
DT 200	Brick	ROUND Hole	11" dia.	4" deep
DT 182	Ceramic Tile	SQUARE Hole	5" x 5"	4" deep
DT 183	Ceramic Tile	SQUARE Hole	5" x 5"	6" deep
DT 184	Ceramic Tile	SQUARE Hole	5" x 5"	8" deep
DT 185	Ceramic Tile	SQUARE Hole	7" x 7"	6" deep
DT 186	Ceramic Tile	SQUARE Hole	7" x 7"	8" deep
DT 187	Ceramic Tile	SQUARE Hole	10" x 10"	6" deep
DT 188	Ceramic Tile	SQUARE Hole	10" x 10"	8" deep
DT 189	Ceramic Tile	ROUND Hole	6" dia.	4" deep
DT 190	Ceramic Tile	ROUND Hole	8" dia.	4" deep
DT 191	Ceramic Tile	ROUND Hole	11" dia.	4" deep
DT 192	Ceramic Tile	ROUND Hole	11" dia.	6" deep

DT 193 Chip 5" x 5" holes, 4" deep in brick using hammer and chisel.

000.35573 hours per holes

DT 194 Chip 5" x 5" holes, 6" deep in brick using hammer and chisel.

000.51073 hours per holes

DT 195 Chip 7" x 7" holes, 6" deep in brick using hammer and chisel.

000.95713 hours per holes

DT 196 Chip 10" x 10" holes, 6" deep in brick using hammer and chisel.

001.90573 hours per holes

DT 197 Chip 10" x 10" holes, 8" deep in brick using hammer and chisel.

002.52573 hours per holes

DT 198 Chip 6" diameter holes, 4" deep in brick with hammer and chisel.

000.35573 hours per holes

DT 199 Chip 6" diameter holes, 6" deep in brick using hammer and chisel.

000.51073 hours per holes

DT 200 Chip 11" diameter holes, 4" deep in brick using hammer and chisel.

001.28573 hours per holes

DT 182 Chip 5" x 5" holes, 4" deep in ceramic tile with hammer and chisel.

000.13035 hours per holes

DT 183 Chip 5" x 5" holes, 6" deep in ceramic tile with hammer and chisel.

000.17385 hours per holes

DT 184 Chip 5" x 5" holes, 8" deep in ceramic tile with hammer and chisel.

000.21735 hours per holes

DT 185 Chip 7" x 7" holes, 6" deep in ceramic tile with hammer and chisel.

000.29913 hours per holes

DT 186 Chip 7" x 7" holes, 8" deep in ceramic tile with hammer and chisel.

000.38439 hours per holes

DT 187 Chip 10" x 10" holes, 6" deep in ceramic tile with hammer and chisel.

000.56535 hours per holes

DT 188 Chip 10" x 10" holes, 8" deep in ceramic tile with hammer and chisel.

000.73935 hours per holes

DT 189 Chip 6" diameter holes, 4" deep in ceramic tile with hammer and chisel.

000.13035 hours per holes

DT 190 Chip 8" diameter holes, 4" deep in ceramic tile with hammer and chisel.

000.21387 hours per holes

DT 191 Chip 11" diameter holes, 4" deep in ceramic tile with hammer and chisel.

000.39135 hours per holes

DT 192 Chip 11" diameter holes, 6" deep in ceramic tile with hammer and chisel.

000.56535 hours per holes

Ladder or Ladder and Pry: Additional Time For Drilling and/or Chipping Holes

TASK TIME STANDARDS LISTING

DT 137	Use of	ladder only		
DT 138	Use of	ladder & pry,	4" deep	holes
DT 139	Use of	ladder & pry,	8" deep	holes
DT 140	Use of	ladder & pry,	12" deep	holes
DT 141	Use of	ladder & pry,	16" deep	holes
DT 142	Use of	ladder & pry,	20" deep	holes
DT 143	Use of	ladder & pry,	24" deep	holes

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

DT 137 Use ladder to drill 3/8" to 3/4" diameter holes in various masonry walls.

000.02338 hours per holes

DT 138 Use ladder and pry to drill 1/2" to 1-1/2"h diameter holes 4" deep in masonry.

000.00807 hours per JOB SETUP TIME

000.16833 hours per holes

DT 139 Use ladder and pry to drill 1/2" to 1-1/2" diameter holes 8" deep in masonry.

000.00807 hours per JOB SETUP TIME

000.17353 hours per holes

DT 140 Use ladder and pry to drill 1/2" to 1-1/2" diameter holes 12" deep in masonry.

000.00807 hours per JOB SETUP TIME

000.17873 hours per holes

DT 141 Use ladder and pry to drill 1/2" to 1-1/2" diameter holes 16" deep in masonry.

000.00807 hours per JOB SETUP TIME

000.18393 hours per holes

DT 142 Use ladder and pry to drill 1/2" to 1-1/2" diameter holes 20" deep in masonry.

000.00807 hours per JOB SETUP TIME

000.18913 hours per holes

DT 143 Use ladder and pry to drill 1/2" to 1-1/2" diameter holes 24" deep in masonry.

000.00807 hours per JOB SETUP TIME

000.19433 hours per holes

Floors: Repair Spalls or Cracks
On cracks 1 inch wide or less, chipping is done by hammer and chisel. On cracks over 1 inch wide and all spalls, chipping is done with portable pneumatic chipper. Fill-ins are with concrete or mortar unless otherwise specified.

TASK TIME STANDARDS LISTING

DT 212	Spalls,	to 2"	deep.
DT 213	Spalls,	2"-4"	deep.
DT 214	Cracks,	to 1/8"	wide, seal w/brush-on EPOXY sealer,2 coats
DT 215	Cracks,	1/8"-1"	wide, fill w/ ASPHALT mixture
DT 216	Cracks,	1/8"-1"	wide, fill w/ MORTAR
DT 217	Cracks,	1"-2"	wide, fill w/ MORTAR

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

DT 212 Repair spalls (up to 2" deep) in concrete floor and remove debris.

000.04764 hours per JOB SETUP TIME

000.64979 hours per square feet

DT 213 Repair spalls (2" to 4" deep) in concrete floor and remove debris.

000.04764 hours per JOB SETUP TIME

001.06926 hours per square feet

DT 214 Seal floor cracks up to 1/8" wide with epoxy sealer (brush-on).

000.00903 hours per feet

DT 215 Repair floor cracks 1/8" to 1" wide; chipout and fill in with asphalt.

000.01976 hours per JOB SETUP TIME

000.03723 hours per feet

DT 216 Repair floor cracks 1/8" to 1" wide; chip-out and fill in with mortar.

000.02432 hours per JOB SETUP TIME

000.03648 hours per feet

DT 217 Repair cracks 1" to 2" wide in concrete floor; chip out and fill in.

000.04764 hours per JOB SETUP TIME

000.05240 hours per feet

Floor: Concrete; Chip Out Trenches/Patches Using a PNEUMATIC HAND CHIPPER HAMMER

TASK TIME STANDARDS LISTING

DT 218	10 sq.in.	Cross Section
DT 219	12 sq.in.	Cross Section
DT 220	16 sq.in.	Cross Section
DT 221	20 sq.in.	Cross Section
DT 222	30 sq.in.	Cross Section
DT 223	48 sq.in.	Cross Section
DT 224	60 sq.in.	Cross Section

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

DT 218 Chip out trench or patch in concrete floor, pneumatic chipper hammer - 10 square inch cross section.

000.06967 hours per JOB SETUP TIME

000.07568 hours per linear feet

DT 219 Chip out trench/patch in concrete floor, pneumatic hand hammer - 12 square inch cross section.

000.06967 hours per JOB SETUP TIME

000.09082 hours per linear feet

DT 220 Chip trench or patch in concrete floor with pneumatic hand hammer - 16 square inch cross section.

000.06967 hours per JOB SETUP TIME

000.12109 hours per linear feet

DT 221 Chip trench or patch in concrete floor with pneumatic hand hammer - 20 square inch cross sections.

000.06967 hours per JOB SETUP TIME

000.15137 hours per linear feet

DT 222 Chip trench or patch in concrete floor with pneumatic hand hammer - 30 square inch cross section.

000.06967 hours per JOB SETUP TIME

000.22705 hours per linear feet

DT 223 Chip trench or patch in concrete floor with pneumatic hand chipper hammer - 48 square inch cross section.

000.06967 hours per JOB SETUP TIME

000.36328 hours per linear feet

DT 224 Chip trench or patch in concrete floor with pneumatic hammer - 60 square inch cross section.

000.06967 hours per JOB SETUP TIME

000.45411 hours per linear feet

Concrete: Cut/Saw Trenches and/0r Patches to depth of 2" using self-propelled gasoline powered concrete saw with a diamond saw blade

TASK TIME STANDARDS LISTING

DT 225 when Water Flow Control NOT REQUIRED
DT 226 when Water Flow Control IS REQUIRED

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

DT 225 Cut concrete using self-propelling concrete saw with diamond saw blade to a depth of 2 inches when water flow control is not required--INCLUDES: overmark layout lines with wax; mount/dismoun saw blade; extend/retrack guide handles & front pointer; start/stop engine; position machine to line; adjust speed; connect/disconnect water hose; move saw blade to other side of machine

000.44043 hours per JOB SETUP TIME

000.01355 hours per linear feet to be cut

000.04916 hours per cuts to be made

DT 226 Cut concrete using self-propelling concrete saw with diamond saw blade to a depth of 2 inches when water flow control is require INCLUDES: overmark layout lines;mount/dismount saw blade;extend retrack guide handles & front pointer;start/stop engine;positio machine to line;adjust speed;connect/disconnect water hose;move saw blade to other side of machine;use squeegee to control wate

000.44043 hours per JOB SETUP TIME

000.03755 hours per linear feet to be cut

000.05444 hours per cuts to be made

CERAMIC TILE FLOOR: (Remove or Install)
1-1/16" x 1-1/16" tiles

Floor: Ceramic Tile
(tile size of 1-1/16" x 1-1/16")

TASK TIME STANDARDS LISTING

DT 227 Install with ADHESIVE & GROUT (Install)
DT 295 Lay mortar setting BED (Lay)
DT 296 Install onto mortar setting BED (Install)
DT 228 Lay mortar setting BED & Install TILE & GROUT
DT 229 Remove & Reinstall

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

DT 227 Install ceramic tile on floor with adhesive and grout.

000.03392 hours per JOB SETUP TIME

000.03626 hours per square feet

DT 295 Lay mortar setting bed for floor tile installation

000.01689 hours per JOB SETUP TIME

000.04543 hours per square feet of mortar setting bed to be laid

DT 296 Install ceramic floor tile onto mortar setting bed.

000.21270 hours per JOB SETUP TIME

000.07217 hours per square feet

DT 228 Install ceramic tile on floor with mortar setting bed and grout.

000.22895 hours per JOB SETUP TIME

000.11954 hours per square feet of ceramic tile to be installed

DT 229 Remove old and install new ceramic floor tile

000.22959 hours per JOB SETUP TIME

000.69745 hours per square feet of ceramic floor to be replaced

Walls, Repair: Cracks; Spalls; Mortar Joints; Tie Rod Hole Leaks Chipping of cracks up to 1" wide, use hammer and chisel; chipping of cracks over 1" wide and all spalls, use portable pneumatic chipper On mortar joints and tie rod hole leaks, chipping method is specified Filling-in is with concrete or mortar unless otherwise specified

TASK TIME STANDARDS LISTING

DT 230	Spalls,	to 2" deep
DT 231	Spalls,	2"-4" deep
DT 232	Cracks,	non-pressure LEAKING, sealed w/ latex & burlap
DT 233	Cracks,	pressure LEAKING, fill in w/ hydraulic cement grout
DT 234	Cracks,	to 1" wide
DT 235	Cracks,	1"-2" wide
DT 236	Mortar joints,	chip out w/ Hammer & Chisel
DT 237	Mortar joints,	chip out w/ Pneumatic Chipper
DT 238	Mortar joints,	chip out w/ Hammer & Chisel or Pneumatic Chipper
DT 239	Tie rod hole leaks,	fill in w/ hydraulic cement grouting; chip out w/ electric hammer & star drill

DT 230 Repair spall (up to 2" deep) in concrete wall and remove debris.

000.04764 hours per JOB SETUP TIME

000.83699 hours per square feet

DT 231 Repair spalls (2" to 4" deep) in concrete wall and remove debris.

000.06283 hours per JOB SETUP TIME

001.56495 hours per square feet

DT 232 Repair non-pressure wall crack (weeping); burlap and latex sealer.

000.03973 hours per feet

DT 233 Repair pressure leaking wall cracks to 1" wide with hydraulic cement.

000.02432 hours per JOB SETUP TIME

000.06709 hours per feet

DT 234 Repair wall cracks to 1" wide; chipout and fill in with mortar.

000.02432 hours per JOB SETUP TIME

000.04307 hours per feet

DT 235 Repair 1" to 2" wide cracks in concrete wall; chip out and fill in.

000.06283 hours per JOB SETUP TIME

000.05836 hours per feet

DT 236 Repair mortar joints in wall; use hammer and chisel, fill in with mortar.

000.01444 hours per JOB SETUP TIME

000.06018 hours per feet

DT 237 Repair mortar joints in wall; use portable chipper hammer.

000.01216 hours per JOB SETUP TIME

000.03702 hours per feet

DT 238 Repair mortar joints in wall; use hammer and chisel or portable air hammer.

000.01330 hours per JOB SETUP TIME

000.04860 hours per feet

DT 239 Repair leaking tie rod holes in concrete wall.

000.07593 hours per JOB SETUP TIME

000.17538 hours per holes

Brick Walls

TASK TIME STANDARDS LISTING

DT 240	Remove & Reinstall	non adjacent bricks		
DT 241	Brick up openings	4" thk.	wall	
DT 242	Brick up openings	8" thk.	wall	
DT 243	Brick up openings	12" thk.	wall	
DT 244	Knock out & remove	4" thk.	wall	using hammer & chisel
DT 245	Knock out & remove	8" thk.	wall	using hammer & chisel
DT 246	Knock out & remove	12" thk.	wall	using hammer & chisel
DT 247	Knock out & remove	4" thk.	wall	using air chipper hammer
DT 248	Knock out & remove	8" thk.	wall	using air chipper hammer
DT 249	Knock out & remove	12" thk.	wall	using air chipper hammer
DT 250	Construct	4" thk.	wall	
DT 251	Construct	8" thk.	wall	
DT 252	Construct	12" thk.	wall	
DT 253	Additional time to trim door opening & install lintel in	4" thk.	wall	
DT 254	Additional time to trim door opening & install lintel in	8" thk.	wall	
DT 255	Additional time to trim door opening & install lintel in	12" thk.	wall	
DT 256	Construct metal door frame & install in opening of	8" thk.	wall	

DT 240 Remove and reinstall non adjacent bricks.

000.06219 hours per JOB SETUP TIME

000.24042 hours per bricks

DT 241 Brick up openings in 4" thick wall.

000.13521 hours per JOB SETUP TIME

000.29759 hours per square feet

DT 242 Brick up opening in 8" wall.

000.64640 hours per square feet

DT 243 Brick up opening in 12" thick wall.

000.88236 hours per square feet

DT 244 Knock out and remove brick (hammer and chisel, 4" thick wall).

000.04034 hours per JOB SETUP TIME

000.08933 hours per square feet

DT 245 Knock out and remove brick (hammer and chisel, 8" thick wall).

000.04034 hours per JOB SETUP TIME

000.14151 hours per square feet

DT 246 Knock out and remove brick (hammer and chisel, 12" thick wall).

000.04034 hours per JOB SETUP TIME

000.20939 hours per square feet

DT 247 Knock out and remove brick (air chipper hammer, 4" thick wall).

000.17530 hours per JOB SETUP TIME

000.02667 hours per square feet

DT 248 Knock out and remove brick (air chipper hammer, 8" thick wall).

000.21564 hours per JOB SETUP TIME

000.20978 hours per square feet

DT 249 Knock out and remove brick (air chipper hammer, 12" thick wall).

000.21564 hours per JOB SETUP TIME

000.30864 hours per square feet

DT 250 Construct 4" thick brick wall.

000.13342 hours per square feet

DT 251 Construct 8" thick brick wall.

000.29300 hours per square feet

DT 252 Construct 12" thick brick wall.

000.44663 hours per square feet

DT 253 Additional time to trim door opening and install lintel - 4" thick wall.

000.77240 hours per doors

DT 254 Additional time to trim door opening and install lintel - 8" thick wall.

001.52450 hours per doors

DT 255 Additional time to trim door opening and position lintel - 12" thick wall.

002.27660 hours per doors

DT 256 Construct metal door frame and install in opening - 8" thick wall.

004.40203 hours per frames

Walls: Concrete Block or Foundations
Blocks are 8" x 8" x 16"
Concrete block installation includes placing reinforcing rods or wire mesh

TASK TIME STANDARDS LISTING

DT 257	non adjacent	BLOCKS	(Remove & Replace)	w/ hammer & chisel
DT 258	block up	OPENINGS		w/ concrete block
DT 259	concrete	BLOCK	(Knock out& Remove)	w/ 20 lb. sledge
DT 260	metal door	FRAME	(Construct & Install)	in rough opening
DT 261	concrete block	FOUNDATION, 3-BLOCKS or 2ft		high (Lay)
DT 262	concrete block	FOUNDATION, 5-BLOCKS or 3ft- 4"		high (Lay)
DT 263	concrete block	WALL		(Lay)

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

DT 257 Remove non-adjacent blocks with hammer and chisel, and replace.

000.20160 hours per blocks

DT 258 Block openings up with concrete block.

000.18138 hours per JOB SETUP TIME

000.08495 hours per square feet

DT 259 Knock out and remove concrete block (20 pound sledge hammer).

000.21945 hours per JOB SETUP TIME

000.05422 hours per square feet

DT 260 Construct metal door frame and install in opening.

000.00381 hours per JOB SETUP TIME

004.22593 hours per frames

DT 261 Lay concrete block foundation three blocks, or 2ft high.

000.13864 hours per JOB SETUP TIME

000.15480 hours per linear feet

DT 262 Lay concrete block foundation five blocks, or 3ft-4" high.

000.13864 hours per JOB SETUP TIME

000.25800 hours per linear feet

DT 263 Lay concrete block wall.

000.13864 hours per JOB SETUP TIME

000.07747 hours per square feet

Walls: Ceramic Tile (4-1/2" X 4-1/2"). Tasks includes time to install tile due to wall fixtures.
EUROPEAN STANDARDS--tile size, 15 CM X 15 CM. Tasks were observed in Germany.

TASK TIME STANDARDS LISTING

DT 264	Install and Grout	tile secured with adhesive	
DT 265	Remove & Install and Grout	tile secured with adhesive	
DT 312	Install and Grout	tile secured with mortar	(EUROPEAN)
DT 313	Install (no grouting incl)	tile secured with mortar	(EUROPEAN)
DT 314	Grout		(EUROPEAN)

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

DT 264 Install ceramic wall tile (4-1/2" x 4-1/2") adhesive and grout.

000.23985 hours per square feet

DT 265 Remove and install ceramic wall tile (4-1/2" x 4-1/2").

000.02846 hours per JOB SETUP TIME

000.92131 hours per square feet

DT 312 Install ceramic wall tile and grout. Includes preparing mortar, moving supply of tiles to work area, installing tile to wall, preparing grout, grouting wall and necessary ladder use.
.
This std. was developed on 15 cm X 15 cm tile size and from observations videotaped in Germany.

000.03327 hours per tiles

DT 313 Install ceramic wall tile. Includes preparing mortar, moving supply of tiles to work area, installing tile to wall and necessary ladder use. (Grouting not included)
.
This std. was developed on 15 cm X 15 cm tile size and from observations videotaped in Germany.

000.02826 hours per tiles

DT 314 Grout ceramic tile wall. Includes preparing grout, grouting wall and necessary ladder use.

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This std. was developed on 15 cm X 15 cm tile size and from observations videotaped in Germany.

000.00501 hours per tiles

Walls: Hollow Clay Tile
6" thick hollow clay tile is actually two 12" x 5" structural facing tiles, 2" and 4" thick respectively and bonded together back to back with cement mortar. Ladder is included.

TASK TIME STANDARDS LISTING

DT 266 Knock out & Remove hollow-Clay Wall TILE
DT 267 Remove & Reinstall non adjacent-Clay Wall TILES

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

DT 266 Knockout and remove hollow clay wall tile.

000.00724 hours per JOB SETUP TIME

000.01750 hours per square feet

DT 267 Remove and reinstall non-adjacent clay wall tiles.

000.20160 hours per clay tiles

Door Frames; Metal
Task includes installing or fabricating and installing metal door frames in openings left by previous doors. The task does not include mixing mortar or hanging door.

TASK TIME STANDARDS LISTING

DT 268		Install	in	8"or12" thk.	brick	door opening
DT 269		Install	in	12" thk.	brick grouted w/concrete	
DT 270		Install	in	8" thk.	concrete	door opening
DT 271	Assy.&	Install	in	8"or12" thk.	brick	door opening
DT 272	Assy.&	Install	in	12" thk.	brick grouted w/concrete	
DT 273	Assy.&	Install	in	8" thk.	concrete	door opening

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

DT 268 Install metal door frame in 8" or 12" brick door opening.

004.08351 hours per frames

DT 269 Install metal door frame in door opening of 12" brick.

004.20858 hours per frames

DT 270 Install metal door frame in 8" concrete door opening.

004.43475 hours per frames

DT 271 Assemble and install metal door frame, 8" or 12" brick door opening.

004.26368 hours per frames

DT 272 Assemble and install metal frame in 12" thick brick (grouted with concrete) door opening.

004.38876 hours per frames

DT 273 Assemble and install metal door frame in 8" concrete door opening.

004.61493 hours per frames

Plaster or Plaster and Lath

TASK TIME STANDARDS LISTING

DT 276	Install plaster	brown coat.
DT 275	Install plaster	sand finish
DT 274	Install plaster	white coat
DT 277	Remove plaster	white or brown, damaged or loose
DT 279	Replace plaster	sand finish, 1-coat
DT 278	Replace plaster	white finish, 1-coat
DT 281	Replace plaster,	sand finish, 2-coats
DT 280	Replace plaster,	white finish, 2-coats
DT 282	Patch	cracks
DT 284	Instl. wire lath & plaster,	sand finish, 3-coats
DT 283	Instl. wire lath & plaster,	white finish, 3-coats
DT 286	Instl.gypsum lath & plaster,	sand finish, 2-coats
DT 285	Instl.gypsum lath & plaster	white finish, 2-coats
DT 288	Replace wire lath & plaster	sand finish, 3-coats
DT 287	Replace wire lath & plaster	white finish, 3-coats
DT 289	Replace gypsum lath & plaster	white finish, 2-coats
DT 290	Replace gypsum lath & plaster	sand finish, 2-coats

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

DT 276 Install plaster - brown coat.

000.03506 hours per JOB SETUP TIME

000.05740 hours per square feet

DT 275 Install plaster - sand finish.

000.03506 hours per JOB SETUP TIME

000.06718 hours per square feet

DT 274 Install plaster - white coat.

000.03506 hours per JOB SETUP TIME

000.05730 hours per square feet

DT 277 Remove damaged/loose plaster.

000.03506 hours per JOB SETUP TIME

000.01800 hours per square feet

DT 279 Remove damaged or loose plaster and patch; one coat application, sand finish.

000.03506 hours per JOB SETUP TIME

000.17599 hours per square feet

DT 278 Remove damaged or loose plaster and patch; one coat application, white finish.

000.03506 hours per JOB SETUP TIME

000.16610 hours per square feet

DT 281 Remove damaged or loose plaster and patch; two coat application, sand finish.

000.03506 hours per JOB SETUP TIME

000.23339 hours per square feet

DT 280 Remove damaged or loose plaster and patch; two coat application, white finish.

000.03506 hours per JOB SETUP TIME

000.22350 hours per square feet

DT 282 Patch plaster - white or sand finish (linear foot).

000.03506 hours per JOB SETUP TIME

000.03550 hours per linear feet

DT 284 Install wire lath and plaster; three coat application, sand finish.

000.06416 hours per JOB SETUP TIME

000.15089 hours per square feet

DT 283 Install wire lath and plaster; three coat application, white finish.

000.06416 hours per JOB SETUP TIME

000.14100 hours per square feet

DT 286 Install gypsum lath and plaster; two coat application, sand finish.

000.03506 hours per JOB SETUP TIME

000.13079 hours per square feet

DT 285 Install gypsum lath and plaster; two coat application, white finish.

000.03506 hours per JOB SETUP TIME

000.12090 hours per square feet

DT 288 Remove old plaster, install wire lath and patch area, three coat application, sand finish.

000.06416 hours per JOB SETUP TIME

000.26518 hours per square feet

DT 287 Remove old plaster, install wire lath and patch area, three coat application, white finish.

000.06416 hours per JOB SETUP TIME

000.24980 hours per square feet

DT 289 Remove damaged plaster, install gypsum lath and plaster; two coat application, white finish.

000.03506 hours per JOB SETUP TIME

000.22970 hours per square feet

DT 290 Remove damaged plaster, install gypsum lath and plaster; two coat application, sand finish.

000.03506 hours per JOB SETUP TIME

000.23959 hours per square feet

Material Handling to the Job Site from temporary storage manually per cubic foot (DT-291); PER CUBIC YARD (DT-292)

TASK TIME STANDARDS LISTING

DT 291 Handle cement, sand, gravel to job site for HAND-mixed concrete
DT 292 Handle cement, sand, gravel to job site for MACHINE-mix concrete

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

DT 291 Handle cement, sand, and gravel to job site for hand mixed concrete.

000.03797 hours per cubic feet

DT 292 Handle cement, sand, and gravel to job site to machine mix concrete.

001.02846 hours per cubic yards

Tasks INCLUDE: moving compactor into position, using and asiding after use; servicing compactor (adding gas and oil) during use

TASK TIME STANDARDS LISTING

DT 307 TAMP SOIL or SAND (no watering of area before tamping)
DT 309 TAMP SOIL or SAND (watering of area before tamping)

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

DT 307 Tamp Soil or Sand with Gas Powered Compactor
Includes: Moving Compactor into position & aside and servicing Compactor during use with gas & oil.

000.02844 hours per JOB SETUP TIME

000.00044 hours per square feet

DT 309 Tamp Soil or Sand with Gas Powered Compactor
Includes: Watering of area before tamping, moving Compactor int position & aside, servicing of Compactor during use with gas or oil.

000.02844 hours per JOB SETUP TIME

000.00074 hours per square feet

TASK TIME STANDARDS DEVELOPMENT BACKUP

DT 001 1 INSTALL ASBESTOS INSULATION BOARD.
2 LAY SKEW FIRE BRICK IN ASH PIT-SHELF TYPE CONSTRUC TION. * 2256 BRICKS PER 727 SQ FT.X
3 PREPARE 1 PAIL BATCH OF MORTAR. * 29 PAILS PER 727 SQ FT BRICK LAID. XXX
4 PREPARE HALF BAG BATCH OF MORTAR. * 14 HALF BAG BA TCHES PER 727 SQ FT.

DT 002 1 CHIP LIME BONDED BRICK WITH HAMMER AND CHISEL AND REMOVE WITH WHEELBARROW. * 818 BRICKS PER 64 SQ FT
2 LAY INSULATION BRICK. * 409 BRICKS PER 64 SQ FT.
3 LAY FIRE BRICK WALL IN BOILER CHAMBER. * 409 BRICK S PER 64 SQ FT.
4 PREPARE CONCRETE. * 2 HALF BAGS PER 64 SQ FT.
5 PREPARE CONCRETE OR MORTAR. * 18 PAILS PER 64 SQ F T.

DT 003 1 CHIP LIME BONDED BRICK WITH HAMMER AND CHISEL AND REMOVE WITH WHEELBARROW. * 1786 BRICKS PER 93 SQ F
2 LAY INSULATION BRICK. * 595 BRICKS PER 93 SQ FT.
3 LAY FIRE BRICK WALL IN BOILER CHAMBER. * 1191 BRIC KS PER 93 SQ FT.
4 PREPARE CONCRETE. * 12 HALF BAGS PER 93 SQ FT.
5 PREPARE CONCRETE OR MORTAR. * 13 PAILS PER 93 SQ F T.

DT 004 1 CHIP OUT LIME BONDED BRICK WITH AIR HAMMER AND REM OVE DEBRIS WITH WHEELBARROW. * 3390 BRICKS PER 265
2 LAY INSULATION BRICK. * 1695 BRICKS PER 265 SQ FT.
3 LAY FIRE BRICK WALL IN BOILER CHAMBER. * 1695 BRIC KS PER 265 SQ FT.
4 PREPARE CONCRETE. * 26 HALF BAGS PER 265 SQ FT.
5 PREPARE CONCRETE OR MORTAR. * 9 PAILS PER 265 SQ F T.

DT 005 1 CHIP OUT LIME BONDED BRICK WITH AIR HAMMER AND REM OVE DEBRIS WITH WHEELBARROW. * 1997 BRICKS PER 104
2 LAY INSULATION BRICK. * 666 BRICKS PER 104 SQ FT.
3 LAY FIRE BRICK WALL IN BOILER CHAMBER. * 1331 BRIC KS PER 104 SQ FT.
4 PREPARE CONCRETE. * 14 HALF BAGS PER 104 SQ FT.
5 PREPARE CONCRETE OR MORTAR. * 12 PAILS PER 104 SQ FT.

DT 006 1 CHIP LIME BONDED BRICK WITH HAMMER AND CHISEL AND REMOVE WITH WHEELBARROW *1824 BRICKS PER 285 SQ FT
2 LAY FIRE BRICK WALL IN FURNACE *1824 BRICKS PER 28 5 SQ FT
3 PREPARE CONCRETE *24 HALF BAGS PER 285 SQ FT
4 PREPARE CONCRETE/MORTAR *18 PAILS PER 285 SQ FT

DT 007 1 CHIP LIME BONDED BRICK WITH HAMMER AND CHISEL AND REMOVE WITH WHEELBARROW. * 1824 BRICKS PER 285 SQ
2 LAY FIRE BRICK WALL IN FURNACE. * 1824 BRICKS PR 285 SQ FT.
3 PREPARE CONCRETE. * 24 HALF BAGS PER 285 SQ FT.
4 PREPARE CONCRETE OR MORTAR. * 18 PAILS PER 285 SQ FT.
5 LAY JAMB FIRE BRICK IN FURNACE. * 91 JAMB BRICKS PER 239 SQ FT.

DT 008 1 CHIP LIME BONDED BRICK WITH HAMMER AND CHISEL AND REMOVE WITH WHEELBARROW. * 1268 BRICKS PER 99 SQ F
2 LAY FIRE BRICK WALL IN FURNACE. * 1268 BRICKS PER 99 SQ FT.
3 PREPARE CONCRETE. * 16 HALF BAGS PER 99 SQ FT.
4 PREPARE CONCRETE OR MORTAR. * 16 PAILS PER 99 SQ FT.

DT 009 1 CHIP LIME BONDED BRICK WITH HAMMER AND CHISEL AND REMOVE WITH WHEELBARROW. * 1268 BRICKS PER 99 SQ F
2 LAY FIRE BRICK WALL IN FURNACE. * 1268 BRICKS PER 99 SQ FT.
3 PREPARE CONCRETE. * 16 HALF BAGS PER 99 SQ FT.
4 PREPARE CONCRETE OR MORTAR. * 16 PAILS PER 99 SQ FT.
5 LAY JAMB FIRE BRICK IN FURNACE. * 72 JAMB BRICK PER 82 SQ FT.

DT 010 1 CHIP OUT LIME BONDED BRICK WITH AIR HAMMER AND REMOVE DEBRIS WITH WHEELBARROW. * 1818 BRICKS PER 284
2 LAY FIRE BRICK WALL IN FURNACE. * 1818 BRICKS PER 284 SQ FT.
3 PREPARE CONCRETE OR MORTAR. * 22 PAILS PER 284 SQ FT.
4 PREPARE CONCRETE. * 24 HALF BAGS PER 284 SQ FT.

DT 011 1 CHIP OUT LIME BONDED BRICK WITH AIR HAMMER AND REMOVE DEBRIS WITH WHEELBARROW *1818 BRICKS PER 284 S
2 LAY FIRE BRICK WALL IN FURNACE. * 1818 BRICKS PER 284 SQ FT.
3 PREPARE CONCRETE OR MORTAR. * 22 PAILS PER 284 SQ FT.
4 PREPARE CONCRETE. * 24 HALF BAGS PER 284 SQ FT.
5 LAY JAMB FIRE BRICK IN FURNACE. * 115 JAMB BRICKS PER 244 SQ FT.

DT 012 1 CHIP OUT LIME BONDED BRICK WITH AIR HAMMER AND REMOVE DEBRIS WITH WHEELBARROW. * 1855 BRICKS PER 145
2 LAY FIRE BRICK WALL IN FURNACE. * 1855 BRICKS PER 145 SQ FT.
3 PREPARE CONCRETE OR MORTAR. * 14 PAILS PER 145 SQ FT.
4 PREPARE CONCRETE. * 26 HALF BAGS PER 145 SQ FT.

DT 013 1 CHIP OUT LIME BONDED BRICK WITH AIR HAMMER AND REM OVE DEBRIS WITH WHEELBARROW. * 1855 BRICKS PER 145
2 LAY FIRE BRICK WALL IN FURNACE. * 1855 BRICKS PER 145 SQ FT.
3 PREPARE CONCRETE OR MORTAR. * 14 PAILS PER 145 SQ FT.
4 PREPARE CONCRETE. * 26 HALF BAGS PER 145 SQ FT.
5 LAY JAMB FIRE BRICK IN FURNACE. * 48 JAMB BRICKS P ER 78 SQ FT.

DT 014 1 CHIP LIME BONDED BRICK WITH HAMMER AND CHISEL AND REMOVE WITH WHEELBARROW. * 1249 FIRE BRICKS PER 34
2 LAY FIRE BRICK WALL IN FURNACE. * 1249 FIRE BRICKS PER 347 SQ FT.
3 PREPARE CONCRETE. * 9 - 1/2 BAGS USED PER 347 SQ F T.
4 PREPARE CONCRETE OR MORTAR. * 10 PAILS PER 347 SQ FT.

DT 015 1 CHIP OUT LIME BONDED BRICK WITH AIR HAMMER AND REM OVE DEBRIS WITH WHEELBARROW. * 1253 FIRE BRICKS PE
2 LAY FIRE BRICK WALL IN FURNACE. * 1253 FIRE BRICKS PER 348 SQ FT.
3 PREPARE CONCRETE OR MORTAR. * 14 PAILS PER 348 SQ FT.
4 PREPARE CONCRETE. * 7 - 1/2 BAGS PER 348 SQ FT.

DT 016 1 CHIP OUT LIME BONDED BRICK WITH HAMMER AND CHISEL AND REMOVE WITH PAIL. * 13 BRICKS PER COURSE * 1 C
2 CHIP LIME BONDED BRICK WITH AIR HAMMER AND REMOVE WITH PAIL. * 13 BRICKS PER COURSE * 1 COURSE PER R
3 LAY FIRE BRICK ARCH. * 13 BRICKS PER COURSE * 1 CO URSE PER ROW.
4 PREPARE CONCRETE OR MORTAR. * 136 PAILS PER 6978 B RICKS * 13 BRICKS PER COURSE * * TIMES 1 COURSE PE
5 PREPARE CONCRETE. * 26 HALF BAGS PER 6978 BRICKS * 13 BRICKS PER * * COURSE * 1 COURSE PER ROW.

DT 017 1 CHIP OUT LIME BONDED BRICK WITH HAMMER AND CHISEL AND REMOVE WITH PAIL. * 13 BRICKS PER COURSE * 2 C
2 CHIP LIME BONDED BRICK WITH AIR HAMMER AND REMOVE WITH PAIL. * 13 BRICKS PER COURSE * 2 COURSES PER
3 LAY FIRE BRICK ARCH. * 13 BRICKS PER COURSE * 2 CO URSES PER ROW.
4 PREPARE CONCRETE OR MORTAR. * 136 PAILS PER 6978 B RICKS * 13 BRICKS PER COURSE * * TIMES 2 COURSES P
5 PREPARE CONCRETE. * 26 HALF BAGS PER 6978 BRICKS * 13 BRICKS PER * * COURSE * 2 COURSES PER ROW.

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DT  018  1 CHIP OUT LIME BONDED BRICK WITH HAMMER AND CHISEL
           AND REMOVE WITH PAIL. * 18 BRICKS PER COURSE * 1 C
         2 CHIP LIME BONDED BRICK WITH AIR HAMMER AND REMOVE
           WITH PAIL. * 18 BRICKS PER COURSE * 1 COURSE PER R
         3 LAY FIRE BRICK ARCH. * 18 BRICKS PER COURSE * 1 CO
           URSE PER ROW.
         4 PREPARE CONCRETE OR MORTAR. * 136 PAILS PER 6978 B
           RICKS * 18 BRICKS PER ROW.
         5 PREPARE CONCRETE. * 26 HALF BAGS PER 6978 BRICKS *
           18 BRICKS PER ROW

DT  019  1 CHIP OUT LIME BONDED BRICK WITH HAMMER AND CHISEL
           AND REMOVE WITH PAIL. * 18 BRICKS PER COURSE * 1 C
         2 CHIP LIME BONDED BRICK WITH AIR HAMMER AND REMOVE
           WITH PAIL. * 18 BRICKS PER COURSE * 2 COURSES PER
         3 LAY FIRE BRICK ARCH. * 36 BRICKS PER ROW.
         4 PREPARE CONCRETE OR MORTAR. * 136 PAILS PER 6978 B
           RICKS * 36 BRICKS PER ROW.
         5 PREPARE CONCRETE. * 26 HALF BAGS PER 6978 BRICKS *
           36 BRICKS PER ROW

DT  020  1 CHIP OUT LIME BONDED BRICK WITH HAMMER AND CHISEL
           AND REMOVE WITH PAIL. * 23 BRICKS PER ROW * 30% OF
         2 CHIP LIME BONDED BRICK WITH AIR HAMMER AND REMOVE
           WITH PAIL. * 23 BRICKS PER ROW * 70% OF THE TIME.
         3 LAY FIRE BRICK ARCH. * 23 BRICKS PER ROW.
         4 PREPARE CONCRETE OR MORTAR. * 136 PAILS PER 6978 B
           RICKS * 23 BRICKS PER ROW.
         5 PREPARE CONCRETE. * 26 HALF BAGS PER 6978 BRICKS *
           23 BRICKS PER ROW

DT  021  1 CHIP OUT LIME BONDED BRICK WITH HAMMER AND CHISEL
           AND REMOVE WITH PAIL. * 23 BRICKS PER COURSE * 2 C
         2 CHIP LIME BONDED BRICK WITH AIR HAMMER AND REMOVE
           WITH PAIL. * 23 BRICKS PER COURSE * 2 COURSES PER
         3 PREPARE CONCRETE OR MORTAR. * 136 PAILS PER 6978 B
           RICKS * 46 BRICKS PER ROW.
         4 PREPARE CONCRETE. * 26 HALF BAGS PER 6978 BRICKS *
           46 BRICKS PER ROW
         5 LAY FIREBRICK ARCH. * 23 BRICKS PER COURSE * 2 COU
           RSES PER ROW.

DT  022  1 CHIP OUT LIME BONDED BRICK WITH HAMMER AND CHISEL
           AND REMOVE WITH PAIL. * 28 BRICKS PER COURSE * 1 C
         2 CHIP LIME BONDED BRICK WITH AIR HAMMER AND REMOVE
           WITH PAIL. * 28 BRICKS PER ROW * 70% OF THE TIME.
         3 LAY FIRE BRICK ARCH. * 28 BRICKS PER ROW.
         4 PREPARE CONCRETE OR MORTAR. * 136 PAILS PER 6978 B
           RICKS * 28 BRICKS PER ROW.
         5 PREPARE CONCRETE. * 26 HALF BAGS PER 6978 BRICKS *
           28 BRICKS PER ROW
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DT  023  1 CHIP OUT LIME BONDED BRICK WITH HAMMER AND CHISEL
           AND REMOVE WITH PAIL. * 28 BRICKS PER COURSE * 2 C
         2 CHIP LIME BONDED BRICK WITH AIR HAMMER AND REMOVE
           WITH PAIL. *28 BRICKS PER COURSE * 2 COURSES PER R
         3 LAY FIRE BRICK ARCH. * 28 BRICKS PER COURSE * 2 CO
           URSES PER ROW.
         4 PREPARE CONCRETE OR MORTAR. * 136 PAILS PER 6978 B
           RICKS * 28 BRICKS PER COURSE * * TIMES 2 COURSES P
         5 PREPARE CONCRETE. * 26 HALF BAGS PER 6978 BRICKS *
           56 BRICKS PER ROW

DT  024  1 CHIP OUT LIME BONDED BRICK WITH HAMMER AND CHISEL
           AND REMOVE WITH PAIL. * 33 BRICKS PER ROW * 30% OF
         2 CHIP LIME BONDED BRICK WITH AIR HAMMER AND REMOVE
           WITH PAIL. * 33 BRICKS PER ROW * 70% OF THE TIME.
         3 LAY FIRE BRICK ARCH. * 33 BRICKS PER ROW * 70% OF
           THE TIME.
         4 PREPARE CONCRETE OR MORTAR. * 136 PAILS PER 6978 B
           RICKS * 33 BRICKS PER ROW.
         5 PREPARE CONCRETE. * 26 HALF BAGS PER 6978 BRICKS *
           33 BRICKS PER ROW

DT  025  1 CHIP OUT LIME BONDED BRICK WITH HAMMER AND CHISEL
           AND REMOVE WITH PAIL. * 33 BRICKS PER COURSE * 2 C
         2 CHIP LIME BONDED BRICK WITH AIR HAMMER AND REMOVE
           WITH PAIL. * 33 BRICKS PER COURSE * 2 COURSES PER
         3 LAY FIRE BRICK ARCH. * 33 BRICKS PER COURSE * 2 CO
           URSES PER ROW * 30% * * OF THE TIME.
         4 PREPARE CONCRETE OR MORTAR. * 136 PAILS PER 6978 B
           RICKS * 33 BRICKS PER COURSE * * TIMES 2 COURSES P
         5 PREPARE CONCRETE OR MORTAR. * 26 HALF BAGS PER 697
           8 BRICKS * 33 BRICKS PER * * COURSE * 2 COURSES PE

DT  026  1 CHIP OUT LIME BONDED BRICK WITH HAMMER AND CHISEL
           AND REMOVE WITH PAIL. * 38 BRICKS PER ROW * 30% OF
         2 CHIP LIME BONDED BRICK WITH AIR HAMMER AND REMOVE
           WITH PAIL. * 38 BRICKS PER ROW * 70% OF THE TIME.
         3 LAY FIRE BRICK ARCH. * 38 BRICKS PER ROW.
         4 PREPARE CONCRETE OR MORTAR. * 136 PAILS PER 6978 B
           RICKS * 38 BRICKS PER ROW.
         5 PREPARE CONCRETE. * 26 HALF BAGS PER 6978 BRICKS *
           38 BRICKS PER ROW

DT  027  1 CHIP OUT LIME BONDED BRICK WITH HAMMER AND CHISEL
           AND REMOVE WITH PAIL. * 38 BRICKS PER COURSE * 2 C
         2 CHIP LIME BONDED BRICK WITH AIR HAMMER AND REMOVE
           WITH PAIL. * 38 BRICKS PER COURSE * 2 COURSES PER
         3 LAY FIRE BRICK ARCH. * 38 BRICKS PER COURSE * 2 CO
           URSES PER ROW.
         4 PREPARE CONCRETE OR MORTAR. * 136 PAILS PER 6978 B
           RICKS * 76 BRICKS PER ROW.
         5 PREPARE CONCRETE. * 26 HALF BAGS PER 6978 BRICKS *
           76 BRICKS PER ROW
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DT  028  1 CHIP OUT LIME BONDED BRICK WITH HAMMER AND CHISEL
           AND REMOVE WITH PAIL. * 48 BRICKS PER ROW * 30% OF
         2 CHIP LIME BONDED BRICK WITH AIR HAMMER AND REMOVE
           WITH PAIL. * 48 BRICKS PER ROW * 70% OF THE TIME.
         3 LAY FIRE BRICK ARCH. * 43 BRICKS PER ROW.
         4 PREPARE CONCRETE OR MORTAR. * 136 PAILS PER 678 BR
           ICKS * 43 BRICKS PER ROW.
         5 PREPARE CONCRETE. * 26 HALF BAGS PER 6978 BRICKS *
           43 BRICKS PER ROW

DT  029  1 CHIP OUT LIME BONDED BRICK WITH HAMMER AND CHISEL
           AND REMOVE WITH PAIL. * 43 BRICKS PER COURSE * 2 C
         2 CHIP LIME BONDED BRICK WITH AIR HAMMER AND REMOVE
           WITH PAIL. * 43 BRICKS PER COURSE * 2 COURSES PER
         3 LAY FIRE BRICK ARCH. * 43 BRICKS PER COURSE * 2 CO
           URSES PER ROW.
         4 PREPARE CONCRETE OR MORTAR. * 136 PAILS PER 6978 B
           RICKS * 43 BRICKS PER COURSE * * TIMES 2 COURSES P
         5 PREPARE CONCRETE. * 26 HALF BAG PER 6978 BRICKS *
           43 BRICKS PER * * COURSE * 2 COURSES PER ROW.

DT  030  1 CHIP OUT LIME BONDED BRICK WITH HAMMER AND CHISEL
           AND REMOVE WITH PAIL. * 48 BRICKS PER ROW * 30% OF
         2 CHIP LIME BONDED BRICK WITH AIR HAMMER AND REMOVE
           WITH PAIL. * 48 BRICKS PER ROW * 70% OF THE TIME.
         3 LAY FIRE BRICK ARCH. * 48 BRICKS PER ROW.
         4 PREPARE CONCRETE OR MORTAR. * 136 PAILS PER 6978 B
           RICKS * 48 BRICKS PER ROW.
         5 PREPARE CONCRETE. * 26 HALF BAGS PER 6978 BRICKS *
           48 BRICKS PER ROW

DT  031  1 CHIP OUT LIME BONDED BRICK WITH HAMMER AND CHISEL
           AND REMOVE WITH PAIL. * 48 BRICKS PER COURSE * 2 C
         2 CHIP LIME BONDED BRICK WITH AIR HAMMER AND REMOVE
           WITH PAIL. * 48 BRICKS PER COURSE * 2 COURSES PER
         3 LAY FIRE BRICK ARCH. * 48 BRICKS PER COURSE * 2 CO
           URSES PER ROW.
         4 PREPARE CONCRETE OR MORTAR. * 136 PAILS PER 6978 B
           RICKS * 48 BRICKS PER COURSE * * TIMES 2 COURSES P
         5 PREPARE CONCRETE. * 26 HALF BAGS PER 6978 BRICKS *
           96 BRICKS PER ROW

DT  032  1 CHIP OUT LIME BONDED BRICK WITH HAMMER AND CHISEL
           AND REMOVE WITH PAIL. * 53 BRICKS PER COURSE * 1 C
         2 CHIP LIME BONDED BRICK WITH AIR HAMMER AND REMOVE
           WITH PAIL. * 53 BRICKS PER COURSE * 2 COURSES PER
         3 LAY FIRE BRICK ARCH. * 53 BRICKS PER COURSE * 1 CO
           URSE PER ROW.
         4 PREPARE CONCRETE OR MORTAR. * 136 PAILS PER 6978 B
           RICKS * 53 BRICKS PER ROW.
         5 PREPARE CONCRETE. * 26 HALF BAGS PER 6978 BRICKS *
           53 BRICKS PER * * COURSE * 1 COURSE PER ROW.
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DT  033  1 CHIP OUT LIME BONDED BRICK WITH HAMMER AND CHISEL
           AND REMOVE WITH PAIL. * 53 BRICKS PER COURSE * 2 C
         2 CHIP LIME BONDED BRICK WITH AIR HAMMER AND REMOVE
           WITH PAIL. * 53 BRICKS PER COURSE * 2 COURSES PER
         3 LAY FIRE BRICK ARCH. * 53 BRICKS PER COURSE * 2 CO
           URSES PER ROW.
         4 PREPARE CONCRETE OR MORTAR. * 136 PAILS PER 6978 H
           ALF BAGS * 53 BRICKS PER * * COURSE * 2 COURSES PE
         5 PREPARE CONCRETE. * 26 HALF BAGS PER 6978 BRICKS *
           53 BRICKS PER * * COURSE * 2 COURSES PER ROW.

DT  034  1 MACHINE MIX CONCRETE *.63 CU YD
         2 PLACE CONCRETE IN 8" THICK SLAB *17.1 SQ FT
         3 FINISH CONCRETE WITH WOOD FLOAT *17.1 SQ FT
         4 COVER CONCRETE SURFACE FOR CURING PROCESS *17.1 SQ
           FT OF SURFACE
         5 LAY CONCRETE BLOCK (8" X 8" X 16") *6 BLOCKS
         6 MEASURE LENGTH OF PIPE FOR INSTALLATION *4 OCCURRE
           NCES
         7 PREPARE CONCRETE/MORTAR *1 BAG
         8 LAY 4" THICK BRICK WALL WITH FLUSH JOINTS USING CO
           MMON BRICK *543 BRICKS
         9 INSTALL INLET AND OUTLET LINES USING 2 SECTIONS OF
           10" TO 12" DIAMETER VITRIFIED CLAY PIPE WITH INTE
        10 POSITION CRANE
        11 POSITION PRECAST CONCRETE COVER
        12 MATERIAL HANDLING AT WORK SITE *NOTE:  USE ITEM I
           WHEN CRAFTSMEN ACTUALLY MOVE *MATERIALS FROM STORA

DT  035  1 MACHINE MIX CONCRETE *.46 CU YD
         2 PLACE CONCRETE IN 8" THICK SLAB *18.4 SQ FT OF SUR
           FACE
         3 FINISH CONCRETE WITH WOOD FLOAT *18.4 SQ FT OF SUR
           FACE
         4 COVER CONCRETE SURFACE FOR CURING PROCESS *18.4 SQ
           FT OF SURFACE
         5 CLIMB IN AND OUT OF HOLE *5 OCCURRENCES
         6 MEASURE LENGTH OF PIPE FOR INSTALLATION *OCCURRENC
           ES
         7 PREPARE CONCRETE/MORTAR. *1 BAG
         8 LAY CONCRETE BLOCK (6" X 8" X 16" DOUBLED GROOVED)
         9 INSTALL INLET AND OUTLET LINES USING 2 SECTIONS OF
           10" TO 12" DIAMETER VITRIFIED CLAY PIPE WITH INTE
        10 POSITION CRANE
        11 POSITION PRECAST CONCRETE COVER
        12 CARRY MATERIALS AT JOB SITE *NOTE:  USE ITEM I WHE
           N CRAFTSMEN ACTUALLY MOVE *MATERIALS FROM STORAGE

DT  036  1 MACHINE MIX CONCRETE *.24 CU YD PER JOB
         2 PLACE CONCRETE IN 8" THICK SLAB *9.6 SQ FT PLACED
         3 FINISH CONCRETE WITH WOOD FLOAT *9.6 SQ FT OF SURF
           ACE
         4 COVER CONCRETE SURFACE FOR CURING PROCESS *9.6 SQ
           FT OF SURFACE
         5 CLIMB IN AND OUT OF HOLE *7 OCCURRENCES
         6 MEASURE LENGTH OF PIPE FOR INSTALLATION *5 OCCURRE
           NCES
         7 PREPARE CONCRETE/MORTAR *1 BAG
         8 LAY CONCRETE MANHOLE BLOCK (6" X 8" X 16" DOUBLED
           GROOVED) *105 BLOCKS
         9 INSTALL INLET AND OUTLET LINES USING 2 SECTIONS OF
           10" TO 12" DIAMETER VITRIFIED CLAY PIPE WITH INTE
        10 POSITION CRANE
        11 POSITION PRECAST CONCRETE COVER WITH CRANE
        12 CARRY MATERIALS ON WORK SITE BY HAND *NOTE:  USE I
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TEM I WHEN CRAFTSMEN ACTUALLY MOVE *MATERIALS FROM

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DT  037  1 MACHINE MIX CONCRETE *.6 CU YD
         2 PLACE 8" THICK CONCRETE SLAB *25 SQ FT SURFACE
         3 FINISH CONCRETE WITH WOOD FLOAT *25 SQ FT OF SURFA
           CE
         4 COVER CONCRETE SURFACE FOR CURING PROCESS *25 SQ F
           T OF SURFACE
         5 CLIMB IN AND OUT OF HOLE *5 OCCURRENCES
         6 MEASURE LENGTH OF PIPE FOR INSTALLATION *4 OCCURRE
           NCES
         7 PREPARE CONCRETE/MORTAR *1 BAG
         8 LAY 4" THICK BRICK WALL WITH FLUSH JOINTS *610 COM
           MON BRICKS
         9 INSTALL INLET AND OUTLET LINES USING 2 SECTIONS OF
           10" TO 12" DIAMETER VITRIFIED CLAY PIPE WITH INTE
        10 INSTALL 2 MANHOLE STEPS
        11 PLACE GRATING ON TOP OF CURB INLET
        12 CARRY MATERIAL ON JOB SITE BY HAND *NOTE:  USE ITE
           M I WHEN CRAFTSMEN ACTUALLY MOVE *MATERIALS FROM S

DT  038  1 MACHINE MIX CONCRETE *.6 CU YD
         2 PLACE CONCRETE IN 8" THICK SLAB *25 SQ FT OF SURFA
           CE
         3 FINISH CONCRETE WITH WOOD FLOAT *25 SQ FT OF SURFA
           CE
         4 COVER CONCRETE SURFACE FOR CURING PROCESS *25 SQ F
           T OF SURFACE
         5 CLIMB IN AND OUT OF HOLE *5 OCCURRENCES
         6 MEASURE LENGTH OF PIPE FOR INSTALLATION *4 OCCURRE
           NCES
         7 PREPARE CONCRETE/MORTAR *1 BAG
         8 LAY CONCRETE BLOCK (8" X 8" X 16") *96 BLOCKS
         9 INSTALL OUTLET LINE USING ONE SECTION OF 10" DIAME
           TER VITRIFIED CLAY PIPE WITH INTERLOCKING RESILIEN
        10 INSTALL TWO MANHOLE STEPS
        11 PLACE GRATING ON TOP OF CURB INLET MANUALLY
        12 CARRY MATERIAL AT WORK SITE BY HAND *NOTE:  USE IT
           EM I WHEN CRAFTSMEN ACTUALLY MOVE *MATERIALS FROM

DT  039  1 MACHINE MIX CONCRETE *.5 CU YD
         2 PLACE CONCRETE IN 8" THICK SLAB *20 SQ FT OF SURFA
           CE
         3 FINISH CONCRETE WITH WOOD FLOAT *20 SQ FT OF SURFA
           CE
         4 COVER CONCRETE SURFACE FOR CURING PROCESS *20 SQ F
           T OF SURFACE
         5 CLIMB IN AND OUT OF HOLE *6 OCCURRENCES
         6 MEASURE LENGTH OF PIPE FOR INSTALLATION *5 OCCURRE
           NCES
         7 PREPARE CONCRETE/MORTAR *1 BAG
         8 LAY CONCRETE BLOCK (8" X 8" X 16") *140 BLOCKS
         9 INSTALL INLET AND OUTLET LINES USING 2 SECTIONS OF
           4" TO 8" DIAMETER CLAY PIPE WITH INTERLOCKING RES
        10 INSTALL 4 MANHOLE STEPS
        11 PLACE GRATING ON TOP OF CURB INLET
        12 CARRY MATERIAL TO WORK SITE *NOTE:  USE ITEM I WHE
           N CRAFTSMEN ACTUALLY MOVE *MATERIALS FROM STORAGE
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DT  040  1 PLACE CONCRETE IN 4" SLAB.

DT  041  1 PLACE CONCRETE IN 6" SLAB.

DT  042  1 PLACE CONCRETE IN 8" SLAB.

DT  043  1 PLACE BULK CONCRETE.

DT  044  1 HAND TROWEL CONCRETE. * ONE TROWELING.

DT  045  1 HAND TROWEL CONCRETE. * TWO TROWELING.

DT  046  1 HAND TROWEL CONCRETE. * 3 TROWELINGS.

DT  047  1 HAND TROWEL CONCRETE. * 4 TROWELINGS.

DT  048  1 MACHINE TROWEL CONCRETE.

DT  049  1 FINISH CONCRETE WITH WOOD FLOAT.

DT  050  1 BROOM FINISH CONCRETE.

DT  051  1 BELT FINISH CONCRETE.

DT  052  1 BLEND NEW WITH OLD ADJACENT CONCRETE SURFACES (WOO
           D FLOAT AND TWO HAND TROWELINGS)

DT  053  1 EDGE CONCRETE

DT  054  1 CUT CONTROL JOINT IN CONCRETE

DT  055  1 COVER CONCRETE SURFACE WITH SHEET OF PLASTIC DURIN
           G CURING PROCESS

DT  056  1 PLACE 4" THICK CONCRETE SLAB
         2 FINISH CONCRETE WITH WOOD FLOAT
         3 EDGE CONCRETE *352 FT PER 2458 SQ FT OBS. (352 / 2
           458 = .14321)
         4 CUT CONTROL JOINT IN CONCRETE *126 FT OF JOINT CUT
           PER 2458 SQ FT OF SURFACE *OBSERVED (126 / 2458 =
         5 COVER CONCRETE SURFACE FOR CURING PROCESS *AVG 1 C
           UT PER 100 SQ FT (10FT X 10FT )

DT  057  1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO
           VER SURFACE OF 4" THICK CONCRETE SLAB FOR CURING P
         2 BROOM FINISH CONCRETE

DT  058  1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO
           VER SURFACE OF 4" THICK CONCRETE SLAB FOR CURING P
         2 HAND TROWEL CONCRETE ONCE
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DT 059 1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO
VER SURFACE OF 4" THICK CONCRETE SLAB FOR CURING P
2 HAND TROWEL CONCRETE TWICE

DT 060 1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO
VER SURFACE OF 4" THICK CONCRETE SLAB FOR CURING P
2 HAND TROWEL CONCRETE THREE TIMES

DT 061 1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO
VER SURFACE OF 4" THICK CONCRETE SLAB FOR CURING P
2 HARD TROWEL CONCRETE SURFACE (4 HAND AND 1 MACHINE
TROWELING)

DT 062 1 PLACE 6" THICK CONCRETE SLAB
2 FINISH CONCRETE SURFACE WITH WOOD FLOAT
3 EDGE CONCRETE *312 FT PER 3172 SQ FT
4 CUT CONTROL JOINT IN CONCRETE *167 FT PER 3172 SQ
FT
5 COVER CONCRETE SURFACE FOR CURING PROCESS *AVG 1 C
UT PER 100 SQ FT (10FT X 10FT)

DT 063 1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO
VER SURFACE OF 6" THICK CONCRETE SLAB FOR CURING P
2 BROOM FINISH CONCRETE

DT 064 1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO
VER SURFACE OF 6" THICK CONCRETE SLAB FOR CURING P
2 FINISH CONCRETE WITH WOOD FLOAT

DT 065 1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO
VER SURFACE OF 6" THICK CONCRETE SLAB FOR CURING P
2 HAND TROWEL CONCRETE ONCE

DT 066 1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO
VER SURFACE OF 6" THICK CONCRETE SLAB FOR CURING P
2 HAND TROWEL CONCRETE TWICE

DT 067 1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO
VER SURFACE OF 6" THICK CONCRETE SLAB FOR CURING P
2 HAND TROWEL CONCRETE FOUR TIMES

DT 068 1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO
VER SURFACE OF 6" THICK CONCRETE SLAB FOR CURING P
2 HARD TROWEL CONCRETE (4 HAND AND 1 MACHINE TROWELI
NG)

DT 069 1 PLACE CONCRETE IN 8" THICK SLAB
2 FINISH CONCRETE WITH WOOD FLOAT
3 EDGE CONCRETE *238 FT PER 2262 SQ FT.
4 CUT CONTROL JOINT IN CONCRETE *236 FT PER 2262 SQ
FT
5 COVER CONCRETE SURFACE WITH SHEET OF PLASTIC FOR C
URING PROCESS *AVG 1 CUT PER 100 SQ FT (10FT X 10F

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DT  070  1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO
           VER SURFACE OF 8" THICK CONCRETE SLAB FOR CURING P
         2 APPLY BROOM FINISH TO CONCRETE SURFACE

DT  071  1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO
           VER SURFACE OF 8" THICK CONCRETE SLAB FOR CURING P
         2 FINISH CONCRETE WITH WOOD FLOAT

DT  072  1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO
           VER SURFACE OF 8" THICK CONCRETE SLAB FOR CURING P
         2 HAND TROWEL CONCRETE SURFACE THREE TIMES

DT  073  1 PLACE BULK CONCRETE *.5 CU YD PER COLUMN
         2 FINISH CONCRETE WITH WOOD FLOAT *3 SQ FT PER COLUM
           N
         3 EDGE CONCRETE *6 FT PER COLUMN
         4 COVER CONCRETE SURFACE FOR CURING PROCESS *3 SQ FT
           PER COLUMN *1 CUT PER COLUMN

DT  074  1 PLACE BULK CONCRETE *1.18 CU YD PER 19 LIN FT.
         2 FINISH CONCRETE WITH WOOD FLOAT *57 SQ FT PER 19 L
           IN FT
         3 APPLY BROOM FINISH TO CONCRETE SURFACE *57 SQ FT P
           ER 19 LIN FT
         4 EDGE CONCRETE *38 FT EDGED PER 19 LIN FT OF CURB A
           ND GUTTER
         5 CUT CONTROL JOINT IN CONCRETE *3 FT CUT PER JOINT
         6 COVER CONCRETE SURFACE FOR CURING PROCESS *57 SQ F
           T PER 19 LIN FT OF CURB AND GUTTER *AVG 1 CUT PER
         7 CARRY MATERIAL TO WORK SITE BY HAND *NOTE:  USE IT
           EM I WHEN CRAFTSMEN ACTUALLY MOVE *MATERIALS FROM

DT  075  1 PLACE BULK CONCRETE *3 CU YD PR 38 LIN FT
         2 FINISH CONCRETE WITH WOOD FLOAT *80 SQ FT PER 38 L
           IN FT
         3 EDGE CONCRETE *80 FT EDGED PER 38 LINEAR FEET 0F F
           OOTING
         4 COVER CONCRETE SURFACE FOR CURING PROCESS *80 SQ F
           T OF SURFACE PER 38 LIN FT OF FOOTING *AVG 1 CUT P

DT  076  1 PLACE BULK CONCRETE *8 CU YD PER JOB
         2 FINISH CONCRETE WITH WOOD FLOAT *49 SQ FT PER JOB
         3 APPLY BROOM FINISH TO CONCRETE SURFACE *49 SQ FT P
           ER JOB
         4 EDGE CONCRETE *28 FT PER JOB
         5 COVER CONCRETE SURFACE FOR CURING PROCESS *49 SQ F
           T OF SURFACE *1 CUT PER JOB

DT  077  1 PLACE BULK CONCRETE *1 CU YD PER JOB
         2 FINISH CONCRETE WITH WOOD FLOAT *16 SQ FT OF SURFA
           CE; 2 FLOATINGS
         3 EDGE CONCRETE *32 LIN FT OF EDGING
         4 COVER CONCRETE SURFACE FOR CURING PROCESS *16 SQ F
           T OF SURFACE *1 CUT PER JOB
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DT 078 1 PLACE BULK CONCRETE *3 CU YD PLACED
2 FINISH CONCRETE WITH WOOD FLOAT *32 SQ FT OF SURFACE; 2 FLOATINGS
3 EDGE CONCRETE *72 FT EDGED
4 COVER CONCRETE SURFACE FOR CURING PROCESS *36 SQ FT OF SURFACE *1 CUT PER JOB

DT 079 1 PLACE BULK CONCRETE *1 CU YD PLACED
2 FINISH CONCRETE WITH WOOD FLOAT *7 SQ FT OF SURFACE
3 EDGE CONCRETE *20 LIN FT
4 COVER CONCRETE SURFACE FOR CURING PROCESS *70 SQ FT OF SURFACE *1 CUT PER JOB

DT 080 1 PLACE BULK CONCRETE *3 CU YD
2 FINISH CONCRETE WITH WOOD FLOAT *10 SQ FT OF SURFACE
3 EDGE CONCRETE *20 LIN FT
4 COVER CONCRETE SURFACE FOR CURING PROCESS *100 SQ FT OF SURFACE *2 CUTS PER JOB

DT 081 1 BREAK UP 4" THICK NON-REINFORCED CONCRETE SLAB USING PNEUMATIC HAMMER
2 LOOSEN BROKEN CONCRETE PIECES WITH PICK AND LOAD ON TRUCK BY HAND AND SHOVEL *25% OCCURRENCE
3 LOAD BROKEN PIECES OF CONCRETE ON TRUCK WITH FRONT END LOADER *75% OCCURRENCE; 3 SQ FT PER CU FT*135

DT 082 1 BREAK UP 6" THICK NON-REINFORCED CONCRETE SLAB` USING PNEUMATIC HAMMER
2 LOOSEN BROKEN CONCRETE PIECES WITH PICK AND LOAD ON TRUCK BY HAND AND SHOVEL *25% OCCURRENCE
3 LOAD BROKEN PIECES OF CONCRETE ON TRUCK WITH FRONT END LOADER *75% OCCURRENCE; 2 SQ FT PER CU FT*135

DT 083 1 BREAK UP 8" THICK NON-REINFORCED CONCRETE SLAB USING PNEUMATIC HAMMER
2 LOOSEN BROKEN CONCRETE PIECES WITH PICK AND LOAD ON TRUCK BY HAND AND SHOVEL *25 OCCURRENCE
3 LOAD BROKEN PIECES OF CONCRETE ON TRUCK WITH FRONT END LOADER *75% OCCURRENCE; 1.5 SQ FT PER CU FT*1

DT 084 1 BREAK UP 4" THICK REINFORCED CONCRETE SLAB USING PNEUMATIC HAMMER
2 LOOSEN BROKEN CONCRETE PIECES WITH PICK AND LOAD ON TRUCK BY HAND AND SHOVEL *25% OCCURRENCE
3 LOAD BROKEN PIECES OF CONCRETE ONTO TRUCK WITH FRONT END LOADER *75% OCCURRENCE; 3 SQ FT PER CU FT*1
4 SET UP ACETYLENE TORCH AND CUT REINFORCING RODS *AVG 4 RODS PER SQ FT

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DT  085  1 BREAK UP 8" THICK REINFORCED CONCRETE SLAB USING P
           NEUMATIC HAMMER
         2 LOOSEN BROKEN CONCRETE PIECES WITH PICK AND LOAD O
           N TRUCK BY HAND AND SHOVEL *25% OCCURRENCE
         3 LOAD BROKEN PIECES OF CONCRETE ONTO TRUCK WITH FRO
           NT END LOADED *75% OCCURRENCE; 1.5 SQ FT PER CU FT
         4 SET UP ACETYLENE TORCH AND CUT REINFORCING RODS *A
           VG 4 RODS PER SQ FT

DT  086  1 BREAK UP 12" THICK REINFORCED CONCRETE SLAB USING
           PNEUMATIC HAMMER
         2 LOOSEN BROKEN CONCRETE PIECES WITH PICK AND LOAD O
           N TRUCK BY HAND AND SHOVEL. *25% OCCURRENCE
         3 SET UP ACETYLENE TORCH AND CUT REINFORCING RODS *A
           VG 4 RODS PER SQ FT
         4 LOAD BROKEN PIECES OF CONCRETE ONTO TRUCK WITH FRO
           NT END LOADER *75% OCCURRENCE; 1 SQ FT PER CU FT*1

DT  087  1 COVER CONCRETE SURFACE WITH BURLAP DURING CURING P
           ROCESS

DT  088  1 PREPARE CONCRETE BY HAND *2.25 CU FT PER 1/2 BAG B
           ATCH *1 / 2.25 = .44444

DT  090  1 MACHINE MIX 1 CUBIC YARD OF CONCRETE

DT  091  1 SET UP AND DRILL 1/2" TO 1" DIAMETER HOLE IN SOFT
           MATERIAL WITH CARBIDE TIP DRILL *DRILL 4" DEEP PER

DT  092  1 SET UP AND DRILL 1/2" TO 1" DIAMETER HOLE IN SOFT
           MATERIAL WITH CARBIDE TIP DRILL *DRILL 12" DEEP PE

DT  093  1 SET UP AND DRILL 1" TO 1-1/2" DIAMETER HOLE, SOFT
           MATERIAL, WITH CARBIDE TIP DRILL *DRILL 8" DEEP PE

DT  094  1 SET UP AND DRILL 1" TO 1-1/2" DIAMETER HOLE, SOFT
           MATERIAL, WITH CARBIDE TIP DRILL *DRILL 12" DEEP P

DT  095  1 SET UP AND DRILL 1/2" TO 1" DIAMETER HOLE, HARD MA
           TERIAL, WITH CARBIDE TIP DRILL *DRILL .75" DEEP IN
         2 SET UP AND DRILL 1/2 TO 1 INCH DIAMETER HOLE, SOFT
           MATERIAL, WITH CARBIDE TIP DRILL *DRILL .75" DEEP

DT  096  1 SET UP AND DRILL 1/2 TO 1 INCH DIAMETER HOLE, HARD
           MATERIAL, WITH CARBIDE TIP DRILL *DRILL .75" DEEP
         2 SET UP AND DRILL 1/2 TO 1 INCH DIAMETER HOLE, SOFT
           MATERIAL, WITH CARBIDE TIP DRILL. * DRILL 8.25" D

DT  097  1 SET UP AND DRILL 1" TO 1-1/2" DIAMETER HOLE, HARD
           MATERIAL, WITH CARBIDE TIP DRILL *DRILL .75" DEEP
         2 SET UP AND DRILL 1" TO 1-1/2" DIAMETER HOLE, SOFT
           MATERIAL, WITH CARBIDE TIP DRILL *DRILL 8.25" DEEP
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DT 098 1 DRILL 3/8" DIAMETER HOLE IN CONCRETE WALL WITH ELE
CTRIC HAND HAMMER AND STAR DRILL. * DRILL 4" DEEP

DT 099 1 DRILL 3/8" DIAMETER HOLE IN CONCRETE WALL WITH ELE
CTRIC HAND HAMMER AND STAR DRILL. * DRILL 7" DEEP

DT 100 1 DRILL 3/8" DIAMETER HOLE IN CONCRETE WALL WITH ELE
CTRIC HAND HAMMER AND STAR DRILL. * DRILL 10" DEEP

DT 101 1 DRILL 3/4" DIAMETER HOLE IN CONCRETE WALL WITH ELE
CTRIC HAND HAMMER AND STAR DRILL. * DRILL 7" DEEP

DT 102 1 DRILL 3/4" DIAMETER HOLE IN CONCRETE WALL WITH ELE
CTRIC HAND HAMMER AND STAR DRILL. * DRILL 9" DEEP

DT 103 1 DRILL 3/4" DIAMETER HOLE IN CONCRETE WALL WITH ELE
CTRIC HAND HAMMER AND STAR DRILL. * DRILL 10" DEEP

DT 104 1 SET UP AND DRILL 1/2" TO 1" DIAMETER HOLE, HARD MA
TERIAL, WITH CARBIDE TIP DRILL *DRILL 4" DEEP PER

DT 105 1 SET UP AND DRILL 1/2" TO 1" DIAMETER HOLE, HARD MA
TERIAL, WITH CARBIDE TIP DRILL *DRILL 8" DEEP PER

DT 106 1 SET UP AND DRILL 1.25" DIAMETER HOLE, HARD MATERIA
L, WITH CARBIDE TIP DRILL *DRILL 15" DEEP PER HOLE

DT 107 1 SET UP AND DRILL 1/2" TO 1" DIAMETER HOLE, HARD MA
TERIAL, WITH CARBIDE TIP DRILL *DRILL 1.5" DEEP PE

DT 108 1 SET UP AND DRILL 1.25" DIAMETER HOLE, HARD MATERIA
L, WITH CARBIDE TIP DRILL *DRILL 4" DEEP PER HOLE

DT 109 1 SET UP AND DRILL .75" DIAMETER HOLE, SOFT MATERIAL
, WITH CARBIDE TIP DRILL *DRILL 8" DEEP PER HOLE

DT 110 1 SET UP AND DRILL .75" DIAMETER HOLE, SOFT MATERIAL
, WITH CARBIDE TIP DRILL *DRILL 4" DEEP PER HOLE

DT 111 1 SET UP AND DRILL .75" DIAMETER HOLE, SOFT MATERIAL
, WITH CARBIDE TIP DRILL *DRILL 12" DEEP PER HOLE

DT 112 1 SET UP AND DRILL 1.25" DIAMETER HOLE, SOFT MATERIA
L, WITH CARBIDE TIP DRILL *DRILL 4" DEEP PER HOLE

DT 113 1 SET UP AND DRILL 1.25" DIAMETER HOLE, SOFT MATERIA
L, WITH CARBIDE TIP DRILL *DRILL 12" DEEP PER HOLE

DT 114 1 DRILL 1.5" - 2" DIAMETER HOLE WITH AIR HAMMER IN C
ONCRETE WALL *DRILL 5" DEEP PER HOLE

DT 115 1 DRILL 1.5" - 2" DIAMETER HOLE WITH AIR HAMMER IN C
ONCRETE WALL *DRILL 10" DEEP PER HOLE

DT 116 1 DRILL 1.5" - 2" DIAMETER HOLE WITH AIR HAMMER IN C
ONCRETE WALL *DRILL 15" DEEP PER HOLE

DT 117 1 DRILL 1.5" - 2" DIAMETER HOLE IN CONCRETE WALL WIT
H AIR HAMMER AND FIXTURE. * DRILL 5" DEEP PER HOLE

DT 118 1 DRILL 1.5" - 2" DIAMETER HOLE IN CONCRETE WALL WIT
H AIR HAMMER AND FIXTURE. * DRILL 10" DEEP PER HOL

DT 119 1 DRILL 1.5" - 2" DIAMETER HOLE IN CONCRETE WALL WIT
H AIR HAMMER AND FIXTURE. * DRILL 15" DEEP PER HOL

DT 120 1 DRILL HOLE 1.5" - 2" DIAMETER WITH AIR HAMMER IN C
ONCRETE FLOOR. * DRILL 5" DEEP PER HOLE.

DT 121 1 DRILL HOLE 1.5" - 2" DIAMETER WITH AIR HAMMER IN C
ONCRETE FLOOR. * DRILL 10" DEEP PER HOLE.

DT 122 1 DRILL HOLE 1.5" - 2" DIAMETER WITH AIR HAMMER IN C
ONCRETE FLOOR. * DRILL 15" DEEP PER HOLE.

DT 123 1 DRILL 2-1/2" HOLE 4" DEEP IN REINFORCED CONCRETE W
ITH DIAMOND CORE DRILL. * DRILL THRU 2 RODS (.75"

DT 124 1 DRILL 2-1/2" HOLE 12" DEEP IN REINFORCED CONCRETE
WITH DIAMOND CORE DRILL. * DRILL THRU 2 OF 3/4" RO

DT 125 1 DRILL 2-1/2" HOLE 12" DEEP IN REINFORCED CONCRETE
WITH DIAMOND CORE DRILL. * DRILL THRU 4 OF 3/4" RO

DT 126 1 DRILL 2-1/2" HOLE 15" DEEP IN REINFORCED CONCRETE
WITH DIAMOND CORE DRILL. * DRILL THRU 4 OF 3/4" RO

DT 127 1 DRILL 2.5"HOLE, 18" DEEP IN REINFORCED CONCRETE WI
TH DIAMOND CORE DRILL. * DRILL THRU 2 OF 3/4" RODS

DT 128 1 DRILL 2.5"HOLE, 18" DEEP IN REINFORCED CONCRETE WI
TH DIAMOND CORE DRILL. * DRILL THRU 4 OF 3/4" STEE

DT 129 1 DRILL 2.5" HOLE, 24" DEEP IN REINFORCED CONCRETE W
ITH DIAMOND CORE DRILL. * DRILL THRU 2 OF 3/4" ROD

DT 130 1 DRILL 2.5" HOLE, 24" DEEP IN REINFORCED CONCRETE W
ITH DIAMOND CORE DRILL. * DRILL THRU 4 OF 3/4" ROD

DT 131 1 DRILL 4" HOLE, 6" DEEP IN REINFORCED CONCRETE WITH
DIAMOND CORE DRILL. * DRILL THRU 2 OF 3/4" RODS P

DT 132 1 DRILL 4" HOLE, 10" DEEP IN REINFORCED CONCRETE WIT
H DIAMOND CORE DRILL. * DRILL THRU 2 OF 3/4" RODS

DT 133 1 DRILL 4" HOLE, 15" DEEP IN REINFORCED CONCRETE WIT
H DIAMOND CORE DRILL. * DRILL THRU 4 OF 3/4" RODS

DT 134 1 DRILL 4" HOLE, 18" DEEP IN REINFORCED CONCRETE WIT
H DIAMOND CORE DRILL. * DRILL THRU 2 OF 3/4" RODS

DT 135 1 DRILL 4" HOLE,24" DEEP IN REINFORCED CONCRETE WITH
DIAMOND CORE DRILL. * DRILL THRU 2 OF 3/4" RODS P

DT 136 1 DRILL 4"HOLE, 24" DEEP IN REINFORCED CONCRETE WITH
DIAMOND CORE DRILL. * DRILL THRU 4 OF 3/4" RODS P

DT 137 1 USE LADDER ONCE PER HOLE TO BE DRILLED.

DT 138 1 ADDITIONAL SET UP TIME REQUIRED WHEN USING A LADDE
R. * ONE LADDER USE PER HOLE DRILLED; 4" DEEP/HOLE

DT 139 1 ADDITIONAL SET UP TIME REQUIRED WHEN USING A LADDE
R. * 8" DEEP PER HOLE.

DT 140 1 ADDITIONAL SET UP TIME REQUIRED WHEN USING A LADDE
R. * 12" DEEP PER HOLE.

DT 141 1 ADDITIONAL SET UP TIME REQUIRED WHEN USING A LADDE
R. * 16" DEEP PER HOLE.

DT 142 1 ADDITIONAL SET UP TIME REQUIRED WHEN USING A LADDE
R. * 20" DEEP PER HOLE.

DT 143 1 ADDITIONAL SET UP TIME REQUIRED WHEN USING A LADDE
R. * 24" DEEP PER HOLE.

DT 144 1 DRILL 1.5" DIAMETER HOLE, 1-1/4" DEEP IN SOFT MATE
RIAL AND INSTALL EXPANSION SHIELD.

DT 145 1 DRILL 1.5" DIAMETER HOLE, 1-1/4" DEEP IN SOFT MATE
RIAL AND INSTALL EXPANSION SHIELD.
2 MOVE STEPLADDER TO WORK PLACE AND USE

DT 146 1 DRILL 1.5" DIAMETER HOLE, 1-1/4" DEEP IN HARD MATE
RIAL AND INSTALL EXPANSION SHIELD

DT 147 1 DRILL 1.5" DIAMETER HOLE, 1-1/4" DEEP IN HARD MATE
RIAL AND INSTALL EXPANSION SHIELD
2 MOVE STEPLADDER TO WORK PLACE AND USE

DT 148 1 CHIP OUT HOLES IN CONCRETE WALL WITH HAMMER AND CH
ISEL *100 CU IN PER HOLE

DT 149 1 CHIP OUT HOLES IN CONCRETE WALL WITH HAMMER AND CH
ISEL *150 CU IN PER HOLE

DT 150 1 CHIP OUT HOLES IN CONCRETE WALL WITH HAMMER AND CH
ISEL. * 200 CU IN PER HOLE.

DT 151 1 CHIP OUT HOLES IN CONCRETE WALL WITH HAMMER AND CH
ISEL. * 294 CU IN PER HOLE.

DT 152 1 CHIP OUT HOLES IN CONCRETE WALL WITH HAMMER AND CH
ISEL. * 392 CU IN PER HOLE.

DT 153 1 CHIP OUT HOLES IN CONCRETE WALL WITH HAMMER AND CH
ISEL. * 600 CU IN PER HOLE.

DT 154 1 CHIP OUT HOLES IN CONCRETE WALL WITH HAMMER AND CH
ISEL. * 800 CU IN PER HOLE.

DT 155 1 CHIP OUT HOLES IN CONCRETE WALL WITH HAMMER AND CH
ISEL. * 294 CU IN PER HOLE.

DT 156 1 CHIP OUT HOLES IN CONCRETE WALL WITH HAMMER AND CH
ISEL. * 600 CU IN PER HOLE.

DT 157 1 CHIP OUT HOLES IN CONCRETE WALL WITH HAMMER AND CH
ISEL. * 800 CU IN PER HOLE.

DT 159 1 CHIP OUT HOLES IN REINFORCED CONCRETE FLOOR WITH P
NEUMATIC HAND CHIPPER HAMMER. * .058 CU FT PER HOL

DT 160 1 CHIP OUT HOLES IN REINFORCED CONCRETE FLOOR WITH P
NEUMATIC HAND CHIPPER HAMMER. * .087 CU FT PER HOL

DT 161 1 CHIP OUT HOLES IN REINFORCED CONCRETE FLOOR WITH P
NEUMATIC HAND CHIPPER HAMMER. * .116 CU FT PER HOL

DT 162 1 CHIP OUT HOLES IN REINFORCED CONCRETE FLOOR WITH P
NEUMATIC HAND CHIPPER HAMMER. * .231 CU FT PER HOL

DT 163 1 CHIP OUT HOLES IN REINFORCED CONCRETE FLOOR WITH P
NEUMATIC HAND CHIPPER HAMMER. * .347 CU FT PER HOL

DT 164 1 CHIP OUT HOLES IN REINFORCED CONCRETE FLOOR WITH P
NEUMATIC HAND CHIPPER HAMMER. * .462 CU FT PER HOL

DT 165 1 CHIP OUT HOLES IN REINFORCED CONCRETE FLOOR WITH P
NEUMATIC HAND CHIPPER HAMMER. * .521 CU FT PER HOL

DT 166 1 CHIP OUT HOLES IN REINFORCED CONCRETE FLOOR WITH P
NEUMATIC HAND CHIPPER HAMMER. * .781 CU FT PER HOL

DT 167 1 CHIP OUT HOLES IN REINFORCED CONCRETE FLOOR WITH P
NEUMATIC HAND CHIPPER HAMMER. * 1.042 CU FT PER HO

DT 168 1 CHIP OUT HOLES IN REINFORCED CONCRETE FLOOR WITH P
NEUMATIC HAND CHIPPER HAMMER. * .962 CU FT PER HOL

DT 169 1 CHIP OUT HOLES IN REINFORCED CONCRETE FLOOR WITH P
NEUMATIC HAND CHIPPER HAMMER. * 1.389 CU FT PER HO

DT 170 1 CHIP OUT HOLES IN REINFORCED CONCRETE FLOOR WITH P
NEUMATIC HAND CHIPPER HAMMER. * 1.852 CU FT PER HO

DT 171 1 CHIP OUT HOLES IN REINFORCED CONCRETE FLOOR WITH P
NEUMATIC HAND CHIPPER HAMMER. * 1.447 CU FT PER HO

DT 172 1 CHIP OUT HOLES IN REINFORCED CONCRETE FLOOR WITH P
NEUMATIC HAND CHIPPER HAMMER. * 2.170 CU FT PER HO

DT 173 1 CHIP OUT HOLES IN REINFORCED CONCRETE FLOOR WITH P
NEUMATIC HAND CHIPPER HAMMER. * 2.894 CU FT PER HO

DT 174 1 CHIP OUT HOLES IN REINFORCED CONCRETE FLOOR WITH P
NEUMATIC HAND CHIPPER HAMMER. * 0.058 CU FT PER HO

DT 175 1 CHIP OUT HOLES IN REINFORCED CONCRETE FLOOR WITH P
NEUMATIC HAND CHIPPER HAMMER. * 0.116 CU FT PER HO

DT 176 1 CHIP OUT HOLES IN REINFORCED CONCRETE FLOOR WITH P
NEUMATIC HAND CHIPPER HAMMER. * 0.231 CU FT PER HO

DT 177 1 CHIP OUT HOLES IN REINFORCED CONCRETE FLOOR WITH P
NEUMATIC HAND CHIPPER HAMMER. * 0.463 CU FT PER HO

DT 178 1 CHIP OUT HOLES IN REINFORCED CONCRETE FLOOR WITH P
NEUMATIC HAND CHIPPER HAMMER. * 0.521 CU FT PER HO

DT 179 1 CHIP OUT HOLES IN REINFORCED CONCRETE FLOOR WITH P
NEUMATIC HAND CHIPPER HAMMER. * 0.781 CU FT PER HO

DT 180 1 CHIP OUT HOLES IN REINFORCED CONCRETE FLOOR WITH P
NEUMATIC HAND CHIPPER HAMMER. * 2.17 CU FT PER HOL

DT 181 1 CHIP OUT HOLES IN REINFORCED CONCRETE FLOOR WITH P
NEUMATIC HAND CHIPPER HAMMER. * 2.89 CU FT PER HOL

DT 182 1 CHIP OUT HOLES IN CERAMIC TILE WALL WITH HAMMER AN
D CHISEL. * 100 CU IN PER HOLE.

DT 183 1 CHIP OUT HOLES IN CERAMIC TILE WALL WITH HAMMER AN
D CHISEL. * 150 CU IN PER HOLE.

DT 184 1 CHIP OUT HOLES IN CERAMIC TILE WALL WITH HAMMER AN
D CHISEL. * 200 CU IN PER HOLE.

DT 185 1 CHIP OUT HOLES IN CERAMIC TILE WALL WITH HAMMER AN
D CHISEL. * 294 CU IN PER HOLE.

DT 186 1 CHIP OUT HOLES IN CERAMIC TILE WALL WITH HAMMER AN
D CHISEL. * 392 CU IN PER HOLE.

DT 187 1 CHIP OUT HOLES IN CERAMIC TILE WALL WITH HAMMER AN
D CHISEL. * 600 CU IN PER HOLE.

DT 188 1 CHIP OUT HOLES IN CERAMIC TILE WALL WITH HAMMER AN
D CHISEL. * 800 CU IN PER HOLE.

DT 189 1 CHIP OUT HOLES IN CERAMIC TILE WALL WITH HAMMER AN
D CHISEL. * 100 CU IN PER HOLE.

DT 190 1 CHIP OUT HOLES IN CERAMIC TILE WALL WITH HAMMER AN
D CHISEL. * 196 CU IN PER HOLE.

DT 191 1 CHIP OUT HOLES IN CERAMIC TILE WALL WITH HAMMER AN
D CHISEL. * 400 CU IN PER HOLE.

DT 192 1 CHIP OUT HOLES IN CERAMIC TILE WALL WITH HAMMER AN
D CHISEL. * 600 CU IN PER HOLE.

DT 193 1 CHIP OUT HOLES IN COMMON BRICK WALL WITH HAMMER AN
D CHISEL. * 100 CU IN PER HOLE.

DT 194 1 CHIP OUT HOLES IN COMMON BRICK WALL WITH HAMMER AN
D CHISEL. * 150 CU IN PER HOLE.

DT 195 1 CHIP OUT HOLES IN COMMON BRICK WALL WITH HAMMER AN
D CHISEL. * 294 CU IN PER HOLE.

DT 196 1 CHIP OUT HOLES IN COMMON BRICK WALL WITH HAMMER AN
D CHISEL. * 600 CU IN PER HOLE.

DT 197 1 CHIP OUT HOLES IN COMMON BRICK WALL WITH HAMMER AN
D CHISEL. * 800 CU IN PER HOLE.

DT 198 1 CHIP OUT HOLES IN COMMON BRICK WALL WITH HAMMER AN
D CHISEL. * 100 CU IN PER HOLE.

DT 199 1 CHIP OUT HOLES IN COMMON BRICK WALL WITH HAMMER AN
D CHISEL. * 150 CU IN PER HOLE.

DT 200 1 CHIP OUT HOLES IN COMMON BRICK WALL WITH HAMMER AN D CHISEL. * 400 CU IN PER HOLE.

DT 201 1 DRILL AND CHIP OUT 3" DIAMETER HOLES IN SOFT MATER IAL *4" DEEP PER 3" HOLE
2 REMOVE DEBRIS WITH PAIL AND DUMP OUTSIDE OF BUILDI NG *1 BRICK PER 3" HOLE

DT 202 1 DRILL AND CHIP OUT 3" DIAMETER HOLES IN SOFT MATER IAL. *4" DEEP PER 3" HOLE
2 REMOVE DEBRIS WITH PAIL AND DUMP OUTSIDE OF BUILDI NG *.5 BRICK PER 3" HOLE

DT 203 1 DRILL AND CHIP OUT 4" DIAMETER HOLES IN SOFT MATER IAL *4" DEEP PER 4" HOLE
2 REMOVE DEBRIS WITH PAIL AND DUMP OUTSIDE OF BUILDI NG *1 BRICK PER 4" HOLE

DT 204 1 DRILL AND CHIP OUT 4" DIAMETER HOLES IN SOFT MATER IAL *8" DEEP PER 4" HOLE
2 REMOVE DEBRIS WITH PAIL AND DUMP OUTSIDE OF BUILDI NG *2 BRICK PER 4" HOLE

DT 205 1 DRILL AND CHIP OUT 4" DIAMETER HOLES IN SOFT MATER IAL *12" DEEP PER 4" HOLE
2 REMOVE DEBRIS WITH PAIL AND DUMP OUTSIDE OF BUILDI NG *2 BRICK PER 4" HOLE

DT 206 1 DRILL AND CHIP OUT 3" DIAMETER HOLES IN SOFT MATER IAL *12" DEEP PER 3" HOLE
2 REMOVE DEBRIS WITH PAIL AND DUMP OUTSIDE OF BUILDI NG *2 BRICK PER 3" HOLE

DT 207 1 DRILL AND CHIP OUT 3" DIAMETER HOLES IN SOFT MATER IAL *8" DEEP PER 3" HOLE
2 REMOVE DEBRIS WITH PAIL AND DUMP OUTSIDE OF BUILDI NG *1 BRICK PER 3" HOLE

DT 208 1 DRILL AND CHIP OUT 4" DIAMETER HOLES IN SOFT MATER IAL *8" DEEP PER 4" HOLE
2 REMOVE DEBRIS WITH PAIL AND DUMP OUTSIDE OF BUILDI NG *2 BRICK PER 4" HOLE

DT 212 1 REPAIR SPALL ON HORIZONTAL CONCRETE SURFACE WITH P ORTABLE AIR HAMMER AND MORTAR. * 288 CU IN PER SQ
2 PREPARE CONCRETE OR MORTAR. * 1 PAIL PER .5 CU FT
3 REMOVE DEBRIS WITH PAIL AND DUMP OUTSIDE OF BUILDI NG. * 8 BRICKS PER SQ FT.

DT 213 1 REPAIR SPALL ON HORIZONTAL CONCRETE SURFACE WITH P
ORTABLE AIR HAMMER AND MORTAR. * 576 CU IN PER SQ
2 PREPARE CONCRETE OR MORTAR. * ONCE PER PAIL * 1 PA
IL PER .5 CU FT * .5 CU FT * * PER 1.5 SQ FT 4" DE
3 REMOVE DEBRIS WITH PAIL AND DUMP OUTSIDE OF BUILDI
NG. * 8 BRICKS PE SQ FT.

DT 214 1 SEAL FLOOR CRACKS 1/8" OR LESS WITH SEALER (2 COAT
S).

DT 215 1 CHIP OUT AND SEAL FLOOR CRACK WITH ASPHALT MIXTURE
2 REMOVE DEBRIS WITH PAIL AND DUMP OUTSIDE OF BUILDI
NG. * 8 BRICKS / SQ FT * 1 SQ FT / 24 FT (1/2" WID

DT 216 1 PREPARE CRACK IN BRICK, BLOCK OR CONCRETE USING HA
MMER AND CHISEL. * 1 CU IN PER 2" (1/2" WIDE) * 12
2 FILL 1/8" TO 1" WIDE CRACK ON HORIZONTAL SURFACE W
ITH MORTAR.
3 PREPARE CONCRETE OR MORTAR. * 1 PAIL PER .5 CU FT
4 REMOVE DEBRIS WITH PAIL AND DUMP OUTSIDE OF BUILDI
NG. * 8 BRICKS / SQ FT * 1 SQ FT / 24 FT (1/2" WID

DT 217 1 REPAIR SPALL ON HORIZONTAL CONCRETE SURFACE WITH P
ORTABLE AIR HAMMER AND MORTAR. * 1.333 CU IN PER I
2 PREPARE CONCRETE OR MORTAR. * 1 PAIL PER .5 CU FT
3 REMOVE DEBRIS WITH PAIL AND DUMP OUTSIDE OF BUILDI
NG. * 8 BRICKS PER SQ FT * 1 SQ FT PER 8 FT (1.5"

DT 218 1 CHIP OUT TRENCH AND CONCRETE FLOOR WITH AIR HAND C
HIPPER HAMMER, AVOID PIPES. * 1 CU FT PER 144 SQ I
2 REMOVE 1 CUBIC FOOT DEBRIS WITH SHOVEL. * 1 CU FT
PER 144 SQ IN FT * 10 SQ IN FT / LIN FT.

DT 219 1 CHIP OUT TRENCH AND CONCRETE FLOOR WITH AIR HAND C
HIPPER HAMMER, AVOID PIPES. * 1 CU FT / 144 SQ IN
2 REMOVE 1 CUBIC FOOT DEBRIS WITH SHOVEL. * 1 CU FT
/ 144 SQ IN FT * 12 SQ IN FT / LIN FT.

DT 220 1 CHIP OUT TRENCH AND CONCRETE FLOOR WITH AIR HAND C
HIPPER HAMMER, AVOID PIPES. * 1 CU FT / 144 SQ IN
2 REMOVE 1 CUBIC FOOT DEBRIS WITH SHOVEL. * 1 CU FT
/ 144 SQ IN FT * 16 SQ IN FT / LIN FT.

DT 221 1 CHIP OUT TRENCH AND CONCRETE FLOOR WITH AIR HAND C
HIPPER HAMMER, AVOID PIPES. * 1 CU FT / 144 SQ IN
2 REMOVE 1 CUBIC FOOT DEBRIS WITH SHOVEL. * 1 CU FT
/ 144 SQ IN FT * 20 SQ IN FT / LIN FT.

DT 222 1 CHIP OUT TRENCH AND CONCRETE FLOOR WITH AIR HAND C
HIPPER HAMMER, AVOID PIPES. * 1 CU FT / 144 SQ IN
2 REMOVE 1 CUBIC FOOT DEBRIS WITH SHOVEL. * 1 CU FT
/ 144 SQ IN FT * 30 SQ IN FT / LIN FT.

DT 223 1 CHIP OUT TRENCH AND CONCRETE FLOOR WITH AIR HAND C
HIPPER HAMMER, AVOID PIPES. * 1 CU FT / 144 SQ IN
2 REMOVE 1 CUBIC FOOT DEBRIS WITH SHOVEL. * 1 CU FT
/ 144 SQ IN FT * 48 SQ IN FT / LIN FT.

DT 224 1 CHIP OUT TRENCH AND CONCRETE FLOOR WITH AIR HAND C
HIPPER HAMMER, AVOID PIPES. * 1 CU FT / 144 SQ IN
2 REMOVE 1 CUBIC FOOT DEBRIS WITH SHOVEL. * 1 CU FT
/ 144 SQ IN FT * 60 SQ IN FT / LIN FT.

DT 225 1 SAW CONCRETE.

DT 226 1 SAW CONCRETE WHILE CONTROLLING FLOW OF WATER.

DT 227 1 INSTALL FLOOR TILE ON PLYWOOD OR CONCRETE WITH ADH
ESIVE AND GROUT. * 442 LIN FT PER 2250 SQ FT.
2 MEASURE, MARK AND DRAW LINE. * 148 LINES PER 2250
SQ FT.
3 MATERIAL HANDLING ON THE JOB SITE. * 182 ARMLOADS
PER 2250 SQ FT.

DT 228 1 LAY 1-1/2" MORTAR SETTING BED AND INSTALL TILE AND
GROUT. * 272 LIN FT PER 1103 SQ FT.
2 PREPARE MORTAR. * 77 HALF BAGS PER 1103 SQ FT.
3 MORTAR SETTING BED.
4 INSTALL AND REMOVE SCREED BAR. * 653 TIMES PER 110
3 SQ FT.
5 MEASURE MARK AND DRAW LINE. * 98 LINES PER 1103 SQ
FT.
6 MATERIAL HANDLING ON THE JOB SITE. * 16.1 KIPS PER
1103 SQ FT.

DT 229 1 REPLACE DAMAGED FLOOR TILE AND MORTAR BED.
2 LAY MORTAR SETTING BED
3 INSTALL CERAMIC FLOOR TILE ON MORTAR SETTING BED.

DT 230 1 REPAIR SHALLOW CRACK/SPALL ON VERTICAL CONCRETE SU
RFACE WITH AIR HAMMER AND MORTAR. * 288 CU IN PER
2 PREPARE CONCRETE OR MORTAR. * ONCE PER PAIL * 1 PA
IL PER .5 CU FT * .5 CU FT * * PER 3 SQ FT 2" DEEP
3 REMOVE DEBRIS WITH PAIL AND DUMP OUTSIDE OF BUILDI
NG. * ONCE PER BRICK * 8 BRICKS PER SQ FT.

DT 231 1 REPAIR DEEP CRACK/SPALL ON VERTICAL CONCRETE SURFA
CE WITH AIR HAMMER AND MORTAR. * 576 CU IN PER SQ
2 PREPARE CONCRETE OR MORTAR. * ONCE PER PAIL * 1 PA
IL PER .5 CU FT * .5 CU FT * * PER 1.5 SQ FT 4" DE
3 REMOVE DEBRIS WITH PAIL AND DUMP OUTSIDE OF BUILDI
NG. * 8 BRICKS PER SQ FT.

DT 232 1 PATCH NON-PRESSURE (WEEPING) WALL CRACK WITH BURLA
P WEB AND LATEX.

DT 233 1 CHIP OUT AND REPAIR PRESSURE LEAKING WALL CRACK WI
TH HYDRAULIC CEMENT. * 1 CU IN PER 2" (1/2" WIDE)
2 REMOVE DEBRIS WITH PAIL AND DUMP OUTSIDE OF BUILDI
NG. * 8 BRICKS PER SQ FT * 1 SQ FT PER 24 FT (1/2"

DT 234 1 REPAIR SMALL CRACK IN BRICK, BLOCK, OR CONCRETE WI
TH HAMMER AND CHISEL AND MORTAR. * 1 CU IN PER 2"
2 PREPARE CONCRETE OR MORTAR. * 1 PAIL PER .5 CU FT
3 REMOVE DEBRIS WITH PAIL AND DUMP OUTSIDE OF BUILDI
NG. * 8 BRICKS PER SQ FT * 1 SQ FT PER 24 FT (1/2"

DT 235 1 REPAIR DEEP CRACK/SPALL ON VERTICAL CONCRETE SURFA
CE WITH AIR HAMMER AND MORTAR. * 1.333 CU IN PER I
2 PREPARE CONCRETE OR MORTAR. * 1 PAIL PER .5 CU FT
3 REMOVE DEBRIS WITH PAIL AND DUMP OUTSIDE OF BUILDI
NG. * 8 BRICKS PER SQ FT * 1 SQ FT PER 8 FT (1.5"

DT 236 1 CHIP OUT MORTAR IN JOINT WITH HAMMER AND CHISEL AN
D FILL JOINT WITH MORTAR.
2 PREPARE CONCRETE OR MORTAR. * 1 PAIL PER .5 CU FT
3 REMOVE DEBRIS WITH PAIL AND DUMP OUTSIDE OF BUILDI
NG. * 8 BRICKS PER SQ FT * 1 SQ FT PER 24 FT (1/2"

DT 237 1 CHIP OUT MORTAR IN JOINT WITH AIR HAMMER AND FILL
JOINT WITH MORTAR.
2 PREPARE CONCRETE OR MORTAR. * 1 PAIL PER .5 CU FT
3 REMOVE DEBRIS WITH PAIL AND DUMP OUTSIDE OF BUILDI
NG. * 8 BRICKS PER SQ FT * 1 SQ FT PER 24 FT (1/2"

DT 238 1 CHIP OUT MORTAR IN JOINT WITH HAMMER AND CHISEL AN
D FILL JOINT WITH MORTAR. * USE HAMMER AND CHISEL
2 CHIP OUT MORTAR IN JOINT WITH AIR HAMMER AND FILL
JOINT WITH MORTAR. * USE PORTABLE AIR CHIPPER 1/2
3 PREPARE CONCRETE OR MORTAR. * 1 PAIL PER .5 CU FT
4 REMOVE DEBRIS WITH PAIL AND DUMP OUTSIDE OF BUILDI
NG. * 8 BRICKS PER SQ FT * 1 SQ FT PER 24 FT (1/2"

DT 239 1 DRILL 3/4" DIAMETER HOLE IN CONCRETE WALL WITH ELE
CTRIC HAND HAMMER AND STAR DRILL.
2 PATCH LEAKING TIE ROD HOLE OR EQUIVALENT IN CONCRE
TE WALL.
3 MATERIAL HANDLING ON JOB SITE. * ARMLOAD PER JOB.
4 MATERIAL HANDLING ON JOB SITE. * 1 ADDITIONAL ARML
OAD EVERY 90 HOLES.
5 REMOVE DEBRIS WITH PAIL AND DUMP OUTSIDE OF BUILDI
NG. * 1 BRICK PER JOB.
6 REMOVE DEBRIS WITH PAIL AND DUMP OUTSIDE OF BUILDI
NG. * 3 ADDITIONAL BRICK PER 90 HOLES.

DT 240 1 REMOVE BRICK USING HAMMER AND CHISEL AND INSTALL R
EPLACEMENT.
2 PREPARE CONCRETE OR MORTAR. * CONSTANT PORTION OF
STEP FUNCTION IS 23/50.
3 PREPARE CONCRETE OR MORTAR. * ONE PAIL PER 25 BRIC
KS.
4 MATERIAL HANDLING ON THE JOB SITE. * 15 MATERIAL H
ANDLINGS PER 56 BRICKS.
5 REMOVE DEBRIS WITH PAIL AND DUMP OUTSIDE OF BUILDI
NG.

DT 241 1 LAY COMMON BRICK IN 4" WALL WITH FLUSH JOINTS. * 5
14 BRICKS PER 77.5 SQ FT.
2 PREPARE CONCRETE OR MORTAR. * FIRST PAIL.
3 MATERIAL HANDLING ON THE JOB SITE. * 110 ARMLOADS
PER 77.5 SQ FT.
4 CHIP OUT BRICK AND EXCESS MORTAR USING HAMMER AND
CHISEL. * 38 BRICKS PER 77.5 SQ FT.
5 REMOVE DEBRIS WITH PAIL AND DUMP OUTSIDE OF BUILDI
NG. * 38 BRICKS PER 77.5 SQ FT.
6 PREPARE CONCRETE OR MORTAR. * 20 ADDITIONAL PAILS
PER 77.5 SQ FT.

DT 242 1 LAY COMMON BRICK IN 8" WALL WITH FLUSH JOINTS. * 1
138 BRICKS PER 82.5 SQ FT.
2 PREPARE CONCRETE OR MORTAR. * 11 PAILS PER 82.5 SQ
FT.
3 PREPARE CONCRETE. * 11 HALF BAG BATCHES PER 82.5 S
Q FT.
4 MATERIAL HANDLING ON THE JOB SITE. * 215 ARMLOADS
PER 82.5 SQ FT.
5 CHIP OUT BRICK AND EXCESS MORTAR USING HAMMER AND
CHISEL. * 91 BRICKS TRIMMED PR 82.5 SQ FT.
6 REMOVE DEBRIS WITH PAIL AND DUMP OUTSIDE OF BUILDI
NG. * 91 DEBRIS BRICKS PER 82.5 SQ FT.

DT 243 1 LAY COMMON BRICK IN 12" WALL WITH FLUSH JOINTS. *
1720 BRICKS PER 81 SQ FT.
2 PREPARE CONCRETE. * 22 HALF BAG BATCHES PER 81 SQ
FT.
3 MATERIAL HANDLING ON THE JOB SITE. * 87 ARMLOADS P
ER 81 SQ FT.
4 CHIP OUT BRICK AND EXCESS MORTAR USING HAMMER AND
CHISEL. * 129 BRICKS TRIMMED PER 81 SQ FT.
5 REMOVE DEBRIS WITH PAIL AND DUMP OUTSIDE OF BUILDI
NG. * 129 DEBRIS BRICKS PER 81 SQ FT.

DT 244 1 CHIP LIME BONDED BRICK WITH HAMMER AND CHISEL AND
REMOVE WITH PAIL, LADDER REQUIRED. * 31 BRICKS PER
2 CUT MORTAR BONDED BRICK IN HALF WITH HAMMER AND CH
ISEL AND REMOVE WITH PAIL. * 12 BRICKS TRIMMED PER
3 MATERIAL HANDLING ON THE JOB SITE. * 2 ARMLOADS PE
R 5 SQ FT.
4 MEASURE HOLE FOR CONTOUR. * 1 HOLE PER JOB.

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DT  245  1 CHIP LIME BONDED BRICK WITH HAMMER AND CHISEL AND
           REMOVE WITH PAIL, LADDER REQUIRED. * 322 BRICKS PE
         2 CUT MORTAR BONDED BRICK IN HALF WITH HAMMER AND CH
           ISEL AND REMOVE WITH PAIL. * 74 BRICKS TRIMMED PER
         3 CARRY ARMLOAD FROM TEMPORARY STORAGE TO WORK SITE.
         4 MEASURE HOLE FOR CONTOUR.

DT  246  1 CHIP LIME BONDED BRICK WITH HAMMER AND CHISEL AND
           REMOVE WITH PAIL, LADDER REQUIRED. * 483 BRICKS PE
         2 CUT MORTAR BONDED BRICK IN HALF WITH HAMMER AND CH
           ISEL AND REMOVE WITH PAIL. * 114 BRICKS TRIMMED PE
         3 CARRY ARMLOAD FROM TEMPORARY STORAGE TO WORK SITE.
         4 MEASURE HOLE FOR CONTOUR.

DT  247  1 CHIP MORTAR AND BRICK FROM WALL WITH AIR HAMMER AN
           D REMOVE WITH WHEELBARROW. * 2809 BRICKS WITH LADD
         2 CUT MORTAR BRICK IN HALF WITH HAMMER AND CHISEL AN
           D REMOVE WITH WHEELBARROW, LADDER REQUIRED. * 321
         3 CHIP WITH AIR HAMMER AND REMOVE DEBRIS WITH WHEELB
           ARROW, LADDER REQUIRED. * 1824 BRICKS (NO LADDER)
         4 CARRY ARMLOAD FROM TEMPORARY STORAGE TO WORK SITE.

DT  248  1 CHIP OUT MORTAR AND BRICK FROM WALL AND REMOVE WIT
           H WHEELBARROW, LADDER REQUIRED. * 1739 BRICKS (USI
         2 CUT MORTAR BRICK IN HALF WITH HAMMER AND CHISEL AN
           D REMOVE WITH WHEELBARROW, LADDER REQUIRED. * 262
         3 CHIP OUT MORTAR AND BRICK FROM WALL AND REMOVE WIT
           H WHEELBARROW. * 1336 BRICKS (NO LADDER) PER 250 S
         4 CARRY ARMLOAD FROM TEMPORARY STORAGE TO WORK SITE.
         5 MEASURE HOLE FOR CONTOUR. * 1 HOLE PER JOB.

DT  249  1 CHIP OUT MORTAR AND BRICK FROM WALL AND REMOVE WIT
           H WHEELBARROW, LADDER REQUIRED. * 1099 BRICKS (USI
         2 CUT MORTAR BRICK IN HALF WITH HAMMER AND CHISEL AN
           D REMOVE WITH WHEELBARROW, LADDER REQUIRED. * 273
         3 CHIP OUT MORTAR AND BRICK FROM WALL AND REMOVE WIT
           H WHEELBARROW. * 1231 BRICKS (NO LADDER) PER 130 S
         4 CARRY ARMLOAD FROM TEMPORARY STORAGE TO WORK SITE.
         5 MEASURE HOLE FOR CONTOUR. * 1 HOLE PER JOB.

DT  250  1 LAY COMMON BRICK IN 4" WALL WITH FLUSH JOINTS. * 6
           032 BRICKS PER 994 SQ FT.
         2 PREPARE CONCRETE. * 72 HALF BAG BATCHES PER 994 SQ
           FT.
         3 CARRY ARMLOAD FROM TEMPORARY STORAGE TO WORK SITE.

DT  251  1 LAY COMMON BRICK IN 8" WALL WITH FLUSH JOINTS. * 8
           247 BRICKS PER 684 SQ FT.
         2 PREPARE CONCRETE. * 100 HALF BAG BATCHES PER 684 S
           Q FT.
         3 CARRY ARMLOAD FROM TEMPORARY STORAGE TO WORK SITE.
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DT 252 1 LAY COMMON BRICK IN 12" WALL WITH FLUSH JOINTS. * 5454 BRICKS PER 307 SQ FT.
2 PREPARE CONCRETE. * 68 HALF BAG BATCHES PER 307 SQ FT.
3 CARRY ARMLOAD FROM TEMPORARY STORAGE TO WORK SITE.

DT 253 1 CUT BRICK, FIT IN WALL AND CUT OFF JOINT. * 30 BRICKS TRIMMED PER DOOR OPENING.
2 INSTALL LINTEL.

DT 254 1 CUT BRICK, FIT IN WALL AND CUT OFF JOINT. * 60 BRICKS TRIMMED PER DOOR OPENING.
2 POSITION LINTEL.

DT 255 1 CUT BRICK, FIT IN WALL AND CUT OFF JOINT. * 90 BRICKS TRIMMED PER DOOR OPENING.
2 POSITION LINTEL.

DT 256 1 CUT MORTAR BRICK IN HALF WITH HAMMER AND CHISEL AND REMOVE WITH WHEELBARROW, LADDER REQUIRED. * TRIM
2 ASSEMBLE DOOR FRAMES.
3 SET FRAME IN PLACE AND BEND ANCHORS.
4 WEDGE FRAME TO CENTER AND HOLD IN PLACE.
5 LEVEL AND PLUMB THE DOOR FRAME.
6 LAY COMMON BRICK IN 8" WALL WITH FLUSH JOINTS. * 9 BRICKS PER FRAME.
7 BREAK BRICK WITH TROWEL TO FIT IN WALL. * BREAK 18 BRICKS PER FRAME.
8 FILL LARGE VOIDS WITH OLD FIRE BRICK AND MORTAR. * FILL 87 VOIDS PER FRAME.
9 STRIKE JOINTS. * STRIKE 40 JOINTS PER FRAME.

DT 257 1 REMOVE BLOCK WITH HAMMER AND CHISEL AND INSTALL REPLACEMENT.
2 PREPARE CONCRETE OR MORTAR. * 4 PAILS PER 21 BLOCKS.
3 CARRY ARMLOAD FROM TEMPORARY STORAGE TO WORK SITE.
4 REMOVE DEBRIS WITH PAIL AND DUMP OUTSIDE OF BUILDING. * WORK CONTENT COMPARISON - 6 BRICKS PER BLOCK

DT 258 1 LAY CONCRETE BLOCK (8" X 8" X 16"). * 812 BLOCKS PER 650 SQ FT.
2 CUT CONCRETE BLOCK TO SIZE WITH HAMMER AND CHISEL.
3 PREPARE CONCRETE. * 31 HALF BAGS PER 650 SQ FT.
4 CARRY ARMLOAD FROM TEMPORARY STORAGE TO WORK SITE.
5 REMOVE BLOCK AND CHIP OUT EXCESS MORTAR WITH HAMMER AND CHISEL. * 72 BLOCKS REMOVED PER 650 SQ FT.
6 REMOVE DEBRIS WITH PAIL AND DUMP OUTSIDE OF BUILDING. * BLOCK - 156 BRICKS PER 650 SQ FT REMOVED THI
7 REMOVE DEBRIS AND DUMP OUTSIDE OF BUILDING WITH WHEELBARROW. * BLOCK - 276 BRICKS REMOVED THIS WAY P

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DT  259  1 CHIP OUT MORTAR BONDED BRICK WITH 20# HAMMER AND R
           EMOVE WITH PAIL. * BLOCK - 6 BRICKS PER BLOCK * 74
         2 CUT CONCRETE BLOCK TO SIZE WITH HAMMER AND CHISEL.
         3 CARRY ARMLOAD FROM TEMPORARY STORAGE TO WORK SITE.
         4 MEASURE HOLE FOR CONTOUR. * 1 HOLE LAYOUT PER JOB.

DT  260  1 ASSEMBLE DOOR FRAMES.
         2 SET FRAME IN PLACE AND BEND ANCHORS.
         3 WEDGE FRAME TO CENTER AND HOLD IN PLACE.
         4 LEVEL AND PLUMB THE DOOR FRAME.
         5 CUT CONCRETE BLOCK TO SIZE WITH HAMMER AND CHISEL.
         6 CHIP OUT MORTAR BONDED BRICK WITH 20# HAMMER AND R
           EMOVE WITH PAIL. * BLOCK - CHIP 8 BRICKS PER FRAME
         7 LAY COMMON BRICK IN 8" WALL WITH FLUSH JOINTS. * B
           LOCK - 9 BRICKS PER FRAME.
         8 BREAK BRICK WITH TROWEL TO FIT IN WALL. * BREAK 18
           BRICKS PER FRAME.
         9 FILL LARGE VOIDS WITH OLD FIRE BRICK AND MORTAR. *
           87 VOIDS PER FRAME.
        10 STRIKE JOINTS. * BLOCK - 40 BRICKS PER FRAME.

DT  261  1 LAY CONCRETE BLOCK (8" X 8" X 16"). * 3 BLOCKS PER
           16 IN * 12 IN PER LIN FT.
         2 PREPARE CONCRETE. * 43 HALF BAGS PER 1523 BLOCKS *
           3 BLOCKS PER * * 1.333 LIN FT.
         3 CUT CONCRETE BLOCK TO SIZE WITH HAMMER AND CHISEL.
         4 SET UP AND DRILL 1/2" TO 1" DIAMETER HOLE IN HARD
           MATERIAL WITH CARBIDE TIP DRILL *50 HOLES PER 1523
         5 POSITION BOLT. * 142 BOLTS PER 1523 BLOCKS * 3 BLO
           CKS PER 1.3 LIN * * FT.
         6 CARRY ARMLOAD FROM TEMPORARY STORAGE TO WORK SITE.
         7 FILL DEEP CRACK/SPALL (1 INCH OR WIDER) ON VERTICA
           L SURFACE WITH MORTAR *10956 CU IN PER 1523 BLOCKS

DT  262  1 LAY CONCRETE BLOCK (8" X 8" X 16"). * 3 BLOCKS PER
           16 IN * 12 IN PER FT.
         2 PREPARE CONCRETE. * 43 HALF BAGS PER 1523 BLOCKS *
           3 BLOCKS PER 1.33 * * LIN FT.
         3 CUT CONCRETE BLOCK TO SIZE WITH HAMMER AND CHISEL.
         4 SET UP AND DRILL 1/2" TO 1" DIAMETER HOLE IN HARD
           MATERIAL WITH CARBIDE TIP DRILL. *50 HOLES PER 152
         5 POSITION BOLT. * 142 BOLTS PER 1523 BLOCKS * 3 BLO
           CKS PER 1.333 * * LIN FT.
         6 CARRY ARMLOAD FROM TEMPORARY STORAGE TO WORK SITE.
         7 FILL DEEP CRACK/SPALL (1 INCH OR WIDER) ON VERTICA
           L SURFACE WITH MORTAR. * 10956 CU IN PER 1523 BLOC

DT  263  1 LAY CONCRETE BLOCK (8" X 8" X 16"). *144 / 128 = 1
           .125 BLOCKS PER SQ FT.
         2 PREPARE CONCRETE. * 43 HALF BAG PER 1523 BLOCKS *
           1.125 BLOCKS PER * * SQ FT.
         3 CUT CONCRETE BLOCK TO SIZE WITH HAMMER AND CHISEL.
         4 SET UP AND DRILL 1/2" TO 1" DIAMETER HOLE IN HARD
           MATERIAL WITH CARBIDE TIP DRILL *50 HOLES PER 1523
         5 POSITION BOLT. * 142 BOLT PER 1523 BLOCKS * 1.125
           BLOCKS PER SQ * * FT.
         6 CARRY ARMLOAD FROM TEMPORARY STORAGE TO WORK SITE.
         7 FILL DEEP CRACK/SPALL (1 INCH OR WIDER) ON VERTICA
           L SURFACE WITH MORTAR. * 10956 CU IN PER 1523 BLOC
         8 POSITION LINTEL. * 5 LINTELS PER 1523 BLOCKS * 1.1
           25 BLOCKS PER SQ * * FT.
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DT 264 1 INSTALL WALL TILE, NO CUTTING FOR PLUMBING FIXTURE
S. * 1 SINGLE SURFACE PE 96 SQ FT.
2 ADDITIONAL TIME TO INSTALL TILE DUE TO WALL FIXTUR
ES. * 53 WALL FIXTURES PER 1645 SQ FT.
3 MEASURE, MARK AND CHECK MEASUREMENT OF WALL OR MAT
ERIAL WITH RULE. * 46 LINES PER 1645 SQ FT.
4 CARRY ARMLOAD ON WORK SITE. * NOTE: USE ITEM I WH
EN CRAFTSMEN ACTUALLY MOVE * * MATERIALS FROM STOR

DT 265 1 ADDITIONAL TIME TO INSTALL TILE DUE TO WALL FIXTUR
ES. * 4 FIXTURES PER 104 SQ FT.
2 REPLACE DAMAGED WALL TILE. * 7.7429 TILES PER SQ F
T.
3 CARRY ARMLOAD FROM TEMPORARY STORAGE TO WORK SITE.

DT 266 1 CUT CLAY TILE TO SIZE WITH HAMMER AND CHISEL. * 11
6 BLOCKS CUT PER 691 SQ FT.
2 MEASURE HOLE FOR CONTOUR. * 5 LAYOUTS PER 691 SQ F
T.
3 CHIP OUT HOLLOW CLAY BLOCK WITH 8 LB. HAMMER AND R
EMOVE WITH WHEELBARROW *47% WITHOUT LADDER.
4 CHIP OUT HOLLOW CLAY BLOCK WITH 8# HAMMER AND REMO
VE WITH WHEELBARROW, LADDER REQUIRED. * 53% OF TIL
5 CARRY ARMLOAD FROM TEMPORARY STORAGE TO WORK SITE.

DT 267 1 REMOVE CLAY TILE WITH HAMMER AND CHISEL AND INSTAL
L REPLACEMENT.
2 PREPARE CONCRETE OR MORTAR. * 4 PAILS PER 21 CLAY
TILES.
3 REMOVE DEBRIS WITH PAIL AND DUMP OUTSIDE OF BUILDI
NG. * 6 BRICKS PER CLAY TILE.
4 CARRY ARMLOAD FROM TEMPORARY STORAGE TO WORK SITE.

DT 268 1 CHIP OUT HOLES IN COMMON BRICK WALL WITH HAMMER AN
D CHISEL. * REMOVE 60 CU IN PER FRAME; 2 HOLES PER
2 SET FRAME IN PLACE AND BEND ANCHORS.
3 WEDGE FRAME TO CENTER AND HOLD IN PLACE.
4 LEVEL AND PLUMB THE DOOR FRAME.
5 LAY COMMON BRICK IN 8" WALL WITH FLUSH JOINTS. * L
AY 9 BRICKS PER FRAME.
6 BREAK BRICK WITH TROWEL TO FIT IN WALL. * BREAK 18
BRICKS PER FRAME.
7 FILL LARGE VOIDS WITH OLD FIRE BRICK AND MORTAR. *
FILL 87 VOIDS PER FRAME.
8 STRIKE JOINTS. * STRIKE 40 JOINTS PER FRAME.

DT 269 1 CHIP OUT HOLES IN COMMON BRICK WALL WITH HAMMER AN
D CHISEL. * REMOVE 60 CU IN PER FRAME; 2 HOLES PER
2 CHIP OUT HOLES IN CONCRETE WALL WITH HAMMER AND CH
ISEL. * REMOVE 6 CU IN PER FRAME; 2 HOLES PER FRAM
3 LAY COMMON BRICK IN 12" WALL WITH FLUSH JOINTS. *
LAY 9 BRICKS PER FRAME.
4 BREAK BRICK WITH TROWEL TO FIT IN WALL. * BREAK 18
BRICKS PER FRAME.
5 FILL LARGE VOIDS WITH OLD FIRE BRICK AND MORTAR. *
87 VOIDS PER FRAME.
6 STRIKE JOINTS. * STRIKE 40 JOINTS PER FRAME.
7 SET FRAME IN PLACE AND BEND ANCHORS.
8 WEDGE FRAME TO CENTER AND HOLD IN PLACE.
9 LEVEL AND PLUMB THE DOOR FRAME.

DT 270 1 CHIP OUT HOLES IN CONCRETE WALL WITH HAMMER AND CH
ISEL. * 60 CU IN PER FRAME; 2 HOLES PER FRAME.
2 FILL LARGE VOIDS WITH OLD FIRE BRICK AND MORTAR. *
97 VOIDS PER FRAME.
3 STRIKE JOINTS. * STRIKE 40 JOINTS PER FRAME.
4 SMOOTH FINISH MORTAR SURFACE WITH TROWEL. * 132 SQ
IN PER FRAME.
5 SET FRAME IN PLACE AND BEND ANCHORS.
6 WEDGE FRAME TO CENTER AND HOLD IN PLACE.
7 LEVEL AND PLUMB THE DOOR FRAME.

DT 271 1 CHIP OUT HOLES IN COMMON BRICK WALL WITH HAMMER AN
D CHISEL. * 60 CU IN PER FRAME; 2 HOLES PER FRAME.
2 LAY COMMON BRICK IN 8" WALL WITH FLUSH JOINTS. * 9
BRICKS PER FRAME.
3 BREAK BRICK WITH TROWEL TO FIT WALL. * BREAK 18 BR
ICKS PER FRAME.
4 FILL LARGE VOIDS WITH OLD FIRE BRICK AND MORTAR. *
87 VOIDS PER FRAME.
5 STRIKE JOINTS. * STRIKE 40 JOINTS PER FRAME.
6 ASSEMBLE DOOR FRAMES.
7 SET FRAME IN PLACE AND BEND ANCHORS.
8 WEDGE FRAME TO CENTER AND HOLD IN PLACE.
9 LEVEL AND PLUMB THE DOOR FRAME.

DT 272 1 CHIP OUT HOLES IN COMMON BRICK WALL WITH HAMMER AN
D CHISEL. *60 CU IN PER FRAME; 2 HOLES PER FRAME.
2 CHIP OUT HOLES IN CONCRETE WALL WITH HAMMER AND CH
ISEL. * 6 CU IN PER FRAME; 2 HOLES PER FRAME.
3 FILL LARGE VOIDS WITH OLD FIRE BRICK AND MORTAR. *
87 VOIDS PER FRAME.
4 LAY COMMON BRICK IN 12" WALL WITH FLUSH JOINTS. *
9 BRICKS PER FRAME.
5 BREAK BRICK WITH TROWEL TO FIT IN WALL. * BREAK 18
BRICKS PER FRAME.
6 STRIKE JOINTS. * STRIKE 40 JOINTS PER FRAME.
7 ASSEMBLE DOOR FRAMES.
8 SET FRAME IN PLACE AND BEND ANCHORS.
9 WEDGE FRAME TO CENTER AND HOLD IN PLACE.
10 LEVEL AND PLUMB THE DOOR FRAME.

DT 273 1 CHIP OUT HOLES IN CONCRETE WALL WITH HAMMER AND CH
ISEL. * 60 CU IN PER FRAME; 2 HOLES PER FRAME.
2 FILL LARGE VOIDS WITH OLD FIRE BRICK AND MORTAR. *
97 VOIDS PER FRAME.
3 STRIKE JOINTS. * STRIKE 40 JOINTS PER FRAME.
4 SMOOTH FINISH MORTAR SURFACE WITH TROWEL. * 132 SQ
IN PER FRAME.
5 ASSEMBLE DOOR FRAMES.
6 SET FRAME IN PLACE AND BEND ANCHORS.
7 WEDGE FRAME TO CENTER AND HOLD IN PLACE.
8 LEVEL AND PLUMB THE DOOR FRAME.

DT 274 1 MIX PLASTER ON BOARD FOR PATCHING. * 1 BATCH PER 2
5 SQ FT.
2 APPLY WHITE COAT IN PATCHING OBSTRUCTED OR SMALL A
REA.
3 CARRY ARMLOAD FROM TEMPORARY STORAGE TO WORK SITE.

DT 275 1 MIX PLASTER ON BOARD FOR PATCHING. * 1 BATCH PER 2
5 SQ FT.
2 APPLY SAND FINISH IN PATCHWORK.
3 CARRY ARMLOAD FROM TEMPORARY STORAGE TO WORK SITE.

DT 276 1 MIX PLASTER ON BOARD FOR PATCHING. * 1 BATCH PER 2
5 SQ FT.
2 APPLY BROWN COAT IN PATCH WORK.
3 CARRY ARMLOAD FROM TEMPORARY STORAGE TO WORK SITE.

DT 277 1 REMOVE DAMAGED OR LOOSE PLASTER.
2 MATERIAL HANDLING ON JOB SITE. * 1 ARMLOAD PER JOB
.

DT 278 1 REMOVE DAMAGED OR LOOSE PLASTER.
2 CHIP PAINT FROM WALL TO APPLY PLASTER.
3 MIX PLASTER ON BOARD FOR PATCHING. * 1 BATCH PER 2
5 SQ FT.
4 APPLY WHITE COAT IN PATCHING OBSTRUCTED OR SMALL A
REA.
5 CARRY ARMLOAD FROM TEMPORARY STORAGE TO WORK SITE.

DT 279 1 REMOVE DAMAGED OR LOOSE PLASTER.
2 CHIP PAINT FROM WALL TO APPLY PLASTER.
3 MIX PLASTER ON BOARD FOR PATCHING. * 1 BATCH PER 2
5 SQ FT.
4 APPLY SAND FINISH IN PATCHWORK.
5 CARRY ARMLOAD FROM TEMPORARY STORAGE TO WORK SITE.

DT 280 1 REMOVE DAMAGED OR LOOSE PLASTER.
2 CHIP PAINT FROM WALL TO APPLY PLASTER.
3 MIX PLASTER ON BOARD FOR PATCHING. * 1 BATCH PER 2
5 SQ FT.
4 APPLY BROWN COAT IN PATCH WORK.
5 MIX PLASTER ON BOARD FOR PATCHING. * 1 BATCH PER 2
5 SQ FT.
6 APPLY WHITE COAT IN PATCHING OBSTRUCTED OR SMALL A
REA.
7 CARRY ARMLOAD FROM TEMPORARY STORAGE TO WORK SITE.

DT 281 1 REMOVE DAMAGED OR LOOSE PLASTER.
2 CHIP PAINT FROM WALL TO APPLY PLASTER.
3 MIX PLASTER ON BOARD FOR PATCHING. * 1 BATCH PER 2
5 SQ FT.
4 APPLY BROWN COAT IN PATCH WORK.
5 MIX PLASTER ON BOARD FOR PATCHING. * 1 BATCH PER 2
5 SQ FT.
6 APPLY SAND FINISH IN PATCHWORK.
7 CARRY ARMLOAD FROM TEMPORARY STORAGE TO WORK SITE.

DT 282 1 GUAGE OUT, CLEAN, WET AND PATCH CRACKS (SAND FINIS H).
2 MIX PLASTER ON BOARD FOR PATCHING. * 1 BATCH PER 1 25 LIN FT.
3 CARRY ARMLOAD FROM TEMPORARY STORAGE TO WORK SITE.

DT 283 1 MEASURE FOR WIRE LATH *ONCE PER SQ FT
2 MEASURE FOR PIPE HOLE *2 HOLES PER 18.67 SQ FT
3 TRIM LATH WITH SNIPS *4 LINES PER SQ FT; 3" PER SQ FT
4 POSITION WIRE LATH (2 MEN) *ONCE PER JOB
5 OBTAIN HAMMER FROM LOOP, HAMMER NAIL AND RETURN *8 NAILS PER 18.67 SQ FT
6 MIX PLASTER ON BOARD FOR PATCHING *1 BATCH PER 25 SQ FT
7 APPLY SCRATCH COAT
8 APPLY BROWN COAT IN PATCH WORK
9 MIX PLASTER ON BOARD FOR PATCHING *1 BATCH PER 25 SQ FT
10 APPLY WHITE COAT IN PATCHING (OBSTRUCTED OR SMALL AREA)
11 CARRY ARMLOAD FROM TEMPORARY STORAGE TO WORK SITE

DT 284 1 MEASURE FOR WIRE LATH. * ONCE PER SQ FT.
2 MEASURE FOR PIPE HOLE. * 2 HOLES PER 18.67 SQ FT.
3 TRIM LATH WITH SNIPS. * 4 LINES PER SQ FT; 3" PER SQ FT.
4 POSITION WIRE LATH.
5 OBTAIN HAMMER FROM LOOP, HAMMER NAIL AND RETURN. * 8 NAILS PER 18.67 SQ FT.
6 MIX PLASTER ON BOARD FOR PATCHING. * 1 BATCH PER 25 SQ FT.
7 APPLY SCRATCH COAT.
8 APPLY BROWN COAT IN PATCH WORK.
9 MIX PLASTER ON BOARD FOR PATCHING. * 1 BATCH PER 25 SQ FT.
10 APPLY SAND FINISH IN PATCHWORK.
11 CARRY ARMLOAD FROM TEMPORARY STORAGE TO WORK SITE.

DT 285 1 INSTALL GYPSUM LATH.
2 MIX PLASTER ON BOARD FOR PATCHING. * 1 BATCH PER 25 SQ FT.
3 APPLY BROWN COAT IN PATCH WORK.
4 MIX PLASTER ON BOARD FOR PATCHING. * 1 BATCH PER 25 SQ FT.
5 APPLY WHITE COAT IN PATCHING OBSTRUCTED OR SMALL AREA.
6 CARRY ARMLOAD FROM TEMPORARY STORAGE TO WORK SITE.

DT 286 1 INSTALL GYPSUM LATH.
2 MIX PLASTER ON BOARD FOR PATCHING. * 1 BATCH PER 2 5 SQ FT.
3 APPLY BROWN COAT IN PATCH WORK.
4 MIX PLASTER ON BOARD FOR PATCHING. * 1 BATCH PER 2 5 SQ FT.
5 APPLY SAND FINISH IN PATCHWORK.
6 CARRY ARMLOAD FROM TEMPORARY STORAGE TO WORK SITE.

DT 287 1 REMOVE DAMAGED OR LOOSE PLASTER.
2 CHIP PAINT FROM WALL TO APPLY PLASTER.
3 MEASURE FOR WIRE LATH.
4 MEASURE FOR PIPE HOLE. * 2 HOLES PER 18.67 SQ FT.
5 TRIM WIRE LATH WITH HAND SNIPS. * 4 LINES PER SQ FT; 3" PER SQ FT.
6 POSITION WIRE LATH.
7 NAIL WIRE LATH TO WALL, 2 MEN. * 8 NAILS PER 18.67 SQ FT.
8 MIX PLASTER ON BOARD FOR PATCHING. * 1 BATCH PER 2 5 SQ FT.
9 APPLY SCRATCH COAT.
10 APPLY BROWN COAT IN PATCH WORK.
11 MIX PLASTER ON BOARD FOR PATCHING. * 1 BATCH PER 2 5 SQ FT.
12 APPLY WHITE COAT IN PATCHING OBSTRUCTED OR SMALL AREA.
13 CARRY ARMLOAD FROM TEMPORARY STORAGE TO WORK SITE.

DT 288 1 REMOVE DAMAGED OR LOOSE PLASTER.
2 CHIP PAINT FROM WALL TO APPLY PLASTER.
3 MEASURE FOR WIRE LATH.
4 MEASURE FOR PIPE HOLE. * 2 HOLES PER 18.67 SQ FT.
5 TRIM WIRE LATH WITH HAND SNIPS. * 4 LINES PER SQ FT; 3" PER SQ FT.
6 POSITION WIRE LATH.
7 NAIL WIRE LATH TO WALL. * 8 NAILS PER 18.67 SQ FT.
8 MIX PLASTER ON BOARD FOR PATCHING. * 1 BATCH PER 2 5 SQ FT.
9 APPLY SCRATCH COAT.
10 APPLY BROWN COAT IN PATCH WORK.
11 MIX PLASTER ON BOARD FOR PATCHING. * 1 BATCH PER 2 5 SQ FT.
12 APPLY SAND FINISH IN PATCHWORK.
13 CARRY ARMLOAD FROM TEMPORARY STORAGE TO WORK SITE.

DT 289 1 REMOVE DAMAGED OR LOOSE PLASTER.
2 CHIP PAINT FROM WALL TO APPLY PLASTER.
3 INSTALL GYPSUM LATH.
4 MIX PLASTER ON BOARD FOR PATCHING. * 1 BATCH PER 2 5 SQ FT.
5 APPLY BROWN COAT IN PATCH WORK.
6 MIX PLASTER ON BOARD FOR PATCHING. * 1 BATCH PER 2 5 SQ FT.
7 APPLY WHITE COAT IN PATCHING OBSTRUCTED OR SMALL AREA.
8 CARRY ARMLOAD FROM TEMPORARY STORAGE TO WORK SITE.

DT 290 1 REMOVE DAMAGED OR LOOSE PLASTER.
2 CHIP PAINT FROM WALL TO APPLY PLASTER.
3 INSTALL GYPSUM LATH.
4 MIX PLASTER ON BOARD FOR PATCHING. * 1 BATCH PER 2 5 SQ FT.
5 APPLY BROWN COAT IN PATCH WORK.
6 MIX PLASTER ON BOARD FOR PATCHING. * 1 BATCH PER 2 5 SQ FT.
7 APPLY SAND FINISH IN PATCHWORK.
8 CARRY ARMLOAD FROM TEMPORARY STORAGE TO WORK SITE.

DT 291 1 CARRY ARMLOAD FROM TEMPORARY STORAGE TO WORK SITE
2 SHOVEL SAND AND GRAVEL ON AND OFF TRUCK *7 SHOVELF ULS ON AND OFF TRUCK + 1 FOR SPILLAGE.

DT 292 1 LOAD OR UNLOAD SOIL, GRAVEL, OR SAND INTO SKIP. * 7 SHOVELFULS ON AND OFF TRUCK + 1 FOR SPILLAGE * *
2 LOAD AND UNLOAD 6 SACKS OF CEMENT.

DT 293 1 CARRY ARMLOAD FROM TEMPORARY STORAGE TO WORK SITE.

DT 294 1 CARRY (THREE ARMLOADS) CWT FROM TEMPORARY STORAGE AT WORK SITE. ALLOW: .11 HOURS PER CWT*NOTE:AVERA

DT 295 1 LAY 1-1/2 INCH MORTAR SETTING BED FOR FLOOR TILE.
2 PREPARE MORTAR. * 77 HALF BAGS PER 1103 SQ FT.
3 FINISH MORTAR SETTING BED.
4 INSTALL AND REMOVE SCREED BAR. * 653 TIMES PER 110 3 SQ FT.

DT 296 1 INSTALL FLOOR TILE ONTO MORTAR SETTING BED AND GRO UT. * 272 LIN FT PER 1103 SQ FT.
2 MEASURE, MARK, AND DRAW LINES. * 98 LINES PER 1103 SQ FT.
3 MATERIAL HANDLING ON THE JOB SITE. * 161 CWTS PER 1103 SQ FT.

DT 300 1 REMOVE AND REINSTALL FURNACE WALL FIREBRICK (HAMME R & CHISEL) IN 4-1/2" THICK WALL. * THIS METHOD US
2 REMOVE AND REINSTALL FURNACE WALL FIREBRICK WITH J AMB FIREBRICK, USING HAMMER AND CHISEL, IN 4.5" TH
3 REMOVE AND REINSTALL FURNACE WALL FIREBRICK USING AIR CHIPPER HAMMER IN 4-1/2" THICK WALL. * THIS ME
4 REMOVE AND REINSTALL FURNACE WALL FIREBRICK IN 4-1 /2" THICK WALL, USING AIR CHIPPER HAMMER, WITH JAM

DT 301 1 REMOVE AND REINSTALL FURNACE FIREBRICK WITH HAMMER AND CHISEL - 9" THICK WALL. * THIS METHOD USED 25
2 REMOVE AND REINSTALL FURNACE FIREBRICK WITH JAMB B RICK USING HAMMER AND CHISEL - 9" WALL. * THIS MET
3 REMOVE AND REINSTALL FURNACE WALL FIREBRICK USING AIR CHIPPER HAMMER - 9" WALL. * THIS METHOD USED 2
4 REMOVE AND REINSTALL FURNACE FIREBRICK WITH JAMB B RICK AND AIR CHIPPER HAMMER - 9" THICK WALL. * THI

DT 303 1 REMOVE AND REINSTALL FURNACE FLOOR FIREBRICK USING HAMMER AND CHISEL. * THIS METHOD USED 50% OF THE
2 REMOVE AND REINSTALL FURNACE FLOOR FIREBRICK USING PORTABLE PNEUMATIC CHIPPER. * THIS METHOD USED 50

DT 304 1 REMOVE AND REINSTALL FIRE AND INSULATION BRICK IN BOILER CHAMBER USING HAMMER AND CHISEL, 4-1/2" WAL
2 REMOVE AND REINSTALL FIRE AND INSULATION BRICK IN BOILER CHAMBER USING AIR CHIPPER HAMMER, 4-1/2" WA

DT 305 1 REMOVE AND REINSTALL FIRE AND INSULATION BRICK IN BOILER CHAMBER USING HAMMER AND CHISEL, 9" WALL. *
2 REMOVE AND REINSTALL FIRE AND INSULATION BRICK IN BOILER CHAMBER USING AIR CHIPPER HAMMER, 9" WALL.

DT 306 1 POSITION ROLL OF WIRE MESH *INITIAL POSTITIONING A ND REPOSITIONING EVERY 240 *SQFT * 2 FOR 2ND WORKE
2 CUTTING RETAINING WIRE FROM NEW ROLL OF WIRE MESH
3 CUTTING RETAINING WIRE FROM ADDL. ROLLS OF MESH *O CCURRENCE: 1/750 SQFT = AVG COVERAGE FROM 6FT WIDE
4 UNROLL LENGTH OF WIRE MESH *BASED ON UNROLLING, CU TTING AND PLACING 15FT SECT. *OCCURRENCE: 1 PIECE
5 CUT SECTION OF WIRE MESH FROM ROLL *BASED ON 1 PIE CES COVERING 5FT X 15FT = 1 CUT/75 SQFT
6 FLATTEN WIRE MESH *AVERAGE OF 50% OCCURRENCE TO RE MOVE COILING *ACTION FROM THE WIRE MESH. THE OTHE
7 BEND EDGE OF MESH DOWN 90 DEG. (FORM CHAIRS) *BEND ING PROCESS OCCURS AN AVERAGE OF 50% OF THE *TIME.
8 CARRY AND PLACE WIRE MESH IN POSITION IN FORM *BAS ED ON INDIVIDUALLY CARRYING SECTIONS (5FT X 15FT)

DT 307 1 MOVE COMPACTOR INTO POSITION AND ASIDE
2 SERVICE COMPACTOR WITH GAS & OIL AND START * ASSUM ED ONCE PER 200 SQFT * SERVICE 1/200 SQFT
3 OPERATE COMPACTOR ON SOIL OR SAND (1 PASS/SQFT) (W ALK BEHIND, SELF PROPELLED FIXED RATE COMPACTOR) *

DT 308 1 MOVE COMPACTOR INTO POSITION AND ASIDE
2 SERVICE COMPACTOR WITH GAS & OIL AND START * ASSUM ED ONCE PER JOB OF 200 SQFT * SERVICE 1/200 SQFT
3 OPERATE COMPACTOR ON SOIL OR SAND (2 PASSES/SQFT) (WALK BEHIND, SELF PROPELLED FIXED RATE COMPACTOR)

DT 309 1 WATER AREA PRIOR TO COMPACTING * CONVERT OCCURENCE OF X/1000 SQFT TO X/SQFT * 1000 SQFT * 1/1000 SQF
2 MOVE COMPACTOR INTO POSITION AND ASIDE
3 SERVICE COMPACTOR WITH GAS & OIL AND START * ASSUM ED ONCE PER JOB OF 200 SQFT * SERVICE 1/200 SQFT
4 OPERATE COMPACTOR ON SOIL OR SAND (1 PASS/SQFT) (W ALK BEHIND, SELF PROPELLED FIXED RATE COMPACTOR) *

DT 310 1 WATER AREA PRIOR TO COMPACTING * CONVERT OCCURENCE OF X/1000 SQFT TO X/SQFT * 1000 SQFT * 1/1000 SQF
2 MOVE COMPACTOR INTO POSITION AND ASIDE
3 SERVICE COMPACTOR WITH GAS & OIL AND START * ASSUM ED ONCE PER JOB OF 200 SQFT * SERVICE 1/200 SQFT
4 OPERATE COMPACTOR ON SOIL OR SAND (2 PASSES/SQFT) (WALK BEHIND, SELF PROPELLED FIXED RATE COMPACTOR)

DT 311 1 SET UP CORE DRILL.
2 DRILL UP TO 3" DIAMETER HOLE IN REINFOCED CONCRETE USING DIAMOND TIPPED CORE DRILL

DT 312 1 PREPARE MORTAR *BASED ON 77 TILES WITH 2.5 OCCURRE NCES OF REF
2 MOVE SUPPLY OF TILE TO WORK AREA *BASED ON 50 TILE S PER BOX
3 INSTALL CERAMIC WALL TILE WITH MORTAR
4 PREPARE GROUT *354 TILES PER 5 KILOGRAM BAG
5 APPLY GROUT TO CERAMIC TILE WALL
6 LADDER USE *2 OCCURRENCES; 1 FOR INSTALLING TILE A ND 1 FOR *GROUTING AND CLEANING OPERATION*BASED ON

DT 313 1 PREPARE MORTAR *BASED ON 77 TILES WITH 2.5 OCCURRE NCES OF REF
2 MOVE SUPPLY OF TILE TO WORK AREA *BASED ON 50 TILE S PER BOX
3 INSTALL CERAMIC WALL TILE WITH MORTAR
4 LADDER USE *BASED ON AVG JOB = 1120 TILES (14 ROWS X 20 TILES *PER ROW PER WALL X 4 WALLS)

DT 314 1 PREPARE GROUTING COMPOUND *354 TILES PER 5 KILOGRA M BAG
2 APPLY GROUT TO CERAMIC TILE WALL
3 LADDER USE *BASED ON AVG JOB = 1120 TILES (14 ROWS X 20 TILES *PER ROW PER WALL X 4 WALLS

DT 315 1 PLACE 4" THICK CONCRETE SLAB
2 FINISH CONCRETE WITH WOOD FLOAT
3 EDGE CONCRETE *352 FT PER 2458 SQ FT OBS. (352 / 2 458 = .14321)
4 CUT CONTROL JOINT IN CONCRETE *126 FT OF JOINT CUT PER 2458 SQ FT OF SURFACE *OBSERVED (126 / 2458 =
5 COVER CONCRETE SURFACE FOR CURING PROCESS

DT 316 1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO VER SURFACE OF 4" THICK CONCRETE SLAB FOR CURING P
2 BROOM FINISH CONCRETE

DT 317 1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO VER SURFACE OF 4" THICK CONCRETE SLAB FOR CURING P
2 HAND TROWEL CONCRETE ONCE

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DT  318  1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO
           VER SURFACE OF 4" THICK CONCRETE SLAB FOR CURING P
         2 HAND TROWEL CONCRETE TWICE

DT  319  1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO
           VER SURFACE OF 4" THICK CONCRETE SLAB FOR CURING P
         2 HAND TROWEL CONCRETE THREE TIMES

DT  320  1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO
           VER SURFACE OF 4" THICK CONCRETE SLAB FOR CURING P
         2 HARD TROWEL CONCRETE SURFACE (4 HAND AND 1 MACHINE
           TROWELING)

DT  321  1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO
           VER SURFACE OF 4" THICK CONCRETE SLAB FOR CURING P
         2 APPLY BELT FINISH TO CONCRETE SURFACE *56 LIN FT P
           ER 2262 SQ FT

DT  322  1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO
           VER SURFACE OF 4" THICK CONCRETE SLAB FOR CURING P
         2 APPLY BELT FINISH TO CONCRETE SURFACE *56 LIN FT P
           ER 2262 SQ FT

DT  323  1 PLACE CONCRETE IN 6" THICK SLAB
         2 USE WOOD FLOAT TO FINISH CONCRETE SURFACE
         3 EDGE CONCRETE *312 FT PER 3172 SQ FT
         4 CUT CONTROL JOINT IN CONCRETE *167 FT PER 3172 SQ
           FT
         5 COVER CONCRETE SURFACE FOR CURING PROCESS

DT  324  1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO
           VER SURFACE OF 6" THICK CONCRETE SLAB FOR CURING P
         2 BROOM FINISH CONCRETE

DT  325  1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO
           VER SURFACE OF 6" THICK CONCRETE SLAB FOR CURING P
         2 FINISH CONCRETE WITH WOOD FLOAT

DT  326  1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO
           VER SURFACE OF 6" THICK CONCRETE SLAB FOR CURING P
         2 HAND TROWEL CONCRETE ONCE

DT  327  1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO
           VER SURFACE OF 6" THICK CONCRETE SLAB FOR CURING P
         2 HAND TROWEL CONCRETE TWICE

DT  328  1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO
           VER SURFACE OF 6" THICK CONCRETE SLAB FOR CURING P
         2 HAND TROWEL CONCRETE FOUR TIMES
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DT  329  1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO
           VER SURFACE OF 6" THICK CONCRETE SLAB FOR CURING P
         2 HARD TROWEL CONCRETE (4 HAND AND 1 MACHINE TROWELI
           NG)

DT  330  1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO
           VER SURFACE OF 6" THICK CONCRETE SLAB FOR CURING P
         2 APPLY BELT FINISH TO CONCRETE SURFACE *5 FT PER 31
           72 SQ FT

DT  331  1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO
           VER SURFACE OF 6" THICK CONCRETE SLAB FOR CURING P
         2 APPLY BELT FINISH TO CONCRETE SURFACE *5 FT PER 31
           72 SQ FT

DT  332  1 PLACE CONCRETE IN 8" THICK SLAB
         2 FINISH CONCRETE WITH WOOD FLOAT
         3 EDGE CONCRETE *238 FT PER 2262 SQ FT.
         4 CUT CONTROL JOINT IN CONCRETE *236 FT PER 2262 SQ
           FT
         5 COVER CONCRETE SURFACE FOR CURING PROCESS

DT  333  1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO
           VER SURFACE OF 8" THICK CONCRETE SLAB FOR CURING P
         2 APPLY BROOM FINISH TO CONCRETE SURFACE

DT  334  1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO
           VER SURFACE OF 8" THICK CONCRETE SLAB FOR CURING P
         2 FINISH CONCRETE WITH WOOD FLOAT

DT  335  1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO
           VER SURFACE OF 8" THICK CONCRETE SLAB FOR CURING P
         2 HAND TROWEL CONCRETE SURFACE THREE TIMES

DT  336  1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO
           VER SURFACE OF 8" THICK CONCRETE SLAB FOR CURING P
         2 APPLY BELT FINISH TO CONCRETE SURFACE

DT  337  1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO
           VER SURFACE OF 8" THICK CONCRETE SLAB FOR CURING P
         2 APPLY BELT FINISH TO CONCRETE SURFACE

DT  338  1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO
           VER SURFACE OF 8" THICK CONCRETE SLAB FOR CURING P
         2 HAND TROWEL CONCRETE SURFACE FOUR TIMES

DT  339  1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO
           VER SURFACE OF 8" THICK CONCRETE SLAB FOR CURING P
         2 HARD TROWEL CONCRETE SURFACE (4 HAND AND 1 MACHINE
           TROWELING)
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DT 340 1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO
VER SURFACE OF 8" THICK CONCRETE SLAB FOR CURING P
2 HAND TROWEL CONCRETE SURFACE ONCE

DT 341 1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO
VER SURFACE OF 8" THICK CONCRETE SLAB FOR CURING P
2 HAND TROWEL CONCRETE SURFACE TWICE

DT 342 1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO
VER SURFACE OF 8" THICK CONCRETE SLAB FOR CURING P
2 HAND TROWEL CONCRETE SURFACE FOUR TIMES

DT 343 1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO
VER SURFACE OF 8" THICK CONCRETE SLAB FOR CURING P
2 HARD TROWEL CONCRETE SURFACE (4 HAND AND 1 MACHINE
TROWELING)

DT 344 1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO
VER SURFACE OF 4" THICK CONCRETE SLAB FOR CURING P
2 WOOD FLOAT CONCRETE ONCE

DT 345 1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO
VER SURFACE OF 4" THICK CONCRETE SLAB FOR CURING P
2 HAND TROWEL CONCRETE SURFACE FOUR TIMES

DT 346 1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO
VER SURFACE OF 4" THICK CONCRETE SLAB FOR CURING P
2 WOOD FLOAT CONCRETE SURFACE ONCE

DT 347 1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO
VER SURFACE OF 4" THICK CONCRETE SLAB FOR CURING P
2 HAND TROWEL CONCRETE SURFACE FOUR TIMES

DT 348 1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO
VER SURFACE OF 6" THICK CONCRETE SLAB FOR CURING P
2 HAND TROWEL CONCRETE THREE TIMES

DT 349 1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO
VER SURFACE OF 6" THICK CONCRETE SLAB FOR CURING P
2 HAND TROWEL CONCRETE SURFACE THREE TIMES

DT 350 1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO
VER SURFACE OF 8" THICK CONCRETE SLAB FOR CURING P
2 HAND TROWEL CONCRETE SURFACE ONCE

DT 351 1 PLACE, WOOD FLOAT, EDGE, CUT CONTROL JOINTS AND CO
VER SURFACE OF 8" THICK CONCRETE SLAB FOR CURING P
2 HAND TROWEL CONCRETE SURFACE TWICE

DT 352 1 COVER CONCRETE SURFACE WITH BURLAP AND KEEP BURLAP MOIST DURING CURING PROCESS

DT 911 1 WALK TO ACCOMPLISH TASK
2 UNPACK PLUMBING PARTS *3 OCCURRENCES
3 BODY MOTIONS *3 OCCURRENCES
4 POSITION TAILPIECE TO STRAINER BASKET AND HAND TIGHTEN NUT TO SECURE TAILPIECE TO STRAINER 2 OCCURRE
5 POSITION "T" TO TAILPIECE AND HAND TIGHTEN NUT TO SECURE TAILPIECE TO "T" 1 OCCURRENCE (FIRST SINK)
6 INSTALL EXTENSION TO "T" 1 OCCURRENCE
7 POSITION "P" TRAP TO EXTENSION PIPE AND HAND TIGHTEN NUT TO SECURE EXTENSION PIPE TO "P" TRAP 1 OCCU
8 POSITION ELBOW PIPE TO WALL STUB AND HAND TIGHTEN NUT TO SECURE ELBOW PIPE TO STUB 1 OCCURRENCE
9 POSITION ELBOW PIPE TO "P" TRAP AND HAND TIGHTEN NUT TO SECURE ELBOW PIPE TO "P" TRAP 1 OCCURRENCE
10 POSITION ELBOW PIPE TO TAILPIECE (SECOND SINK) AND HAND TIGHTEN NUT TO SECURE TAILPIECE ELBOW PIPE 1
11 POSITION ELBOW PIPE (SECOND SINK) TO "T" AND HAND TIGHTEN NUT TO SECURE ELBOW PIPE TO "T" 1 OCCURREN
12 ADJUST ASSEMBLE *1 OCCURRENCE
13 GET AND ASIDE WRENCH *1 OCCURRENCE
14 TIGHTEN CONNECTIONS WITH WRENCH *9 CONNECTIONS
15 GET AND ASIDE PIPE THREAD TAPE *2 OCCURRENCES
16 WRAP THREADS WITH PIPE THREAD TAPE *2 CONNECTIONS: EXTENSION PIPE; WALL STUB PIPE *(DRAIN LINE)
17 MEASURE AND CUT COPPER PIPE TO LENGTH WITH TUBE CUTTER *3 OCCURRENCES: 2-TAILPIECES; 1-ELBOW PIPE

DT 912 1 WALK *10 STEPS
2 UNPACK PARTS
3 INSPECT PARTS *10 EYE MOTIONS
4 PLACE SINK IN POSITION FOR ACCESS (SINK ON FLOOR)
5 OPEN AND CLOSE CAN OF PLUMBERS PUTTY
6 SCOOP OUT AND ROLL PLUMBERS PUTTY INTO ROPE SHAPE WITH HANDS *3 OCCURRECES
7 PLACE PUTTY ON SINK IN AREA WHERE FAUCET ASSEMBLY IS TO BE INSTALLED *7 OCCURRENCES OF REFERENCE EQU
8 PLACE FAUCET ASSEMBLY ON SINK
9 REPOSITION FAUCET ASSEMBLY TO ALIGN *OBSERVED 5 OCCURRENCES
10 INSPECT LOCATION OF FAUCET ASSEMBLY *6 OCCURRENCES OBSERVED
11 INSTALL 2 NUTS BY HAND AND TIGHTEN USING WRENCH TO SECURE FAUCET ASSEMBLY TO SINK
12 REMOVE EXCESS PUTTY FROM FAUCET BASE WITH TOOL AND WIPE AREA WITH RAG
13 BODY MOTIONS *3 OCCURRENCES

DT 913 1 WALK
2 UNPACK PARTS
3 INSPECT PARTS *2 OCCURRENCES
4 POSITION SINK FOR ACCESS (SINK ON FLOOR)
5 GET LINE/NUT/COMPRESSION RING *8 OCCURRENCES: 2 LI NES; 4 NUTS, 2 COMPRESSION *RINGS
6 SLIDE NUT/COMPRESSION RING ON LINE 6 OCCURRENCES: 4 NUTS; 2 COMPRESSION RINGS
7 POSITION END OF LINE TO CONNECTION 4 OCCURRENCES; 2 AT FAUCET; 2 AT VALVE
8 SLIDE NUT/COMPRESSIONRING TO CONNECTION 6 OCCURREN CES: 4 NUTS; 2 COMPRESSION RINGS
9 INSTALL NUT HAND TIGHT TO SECURE LINE TO FAUCET AN D SHUTOFF VALVE CONNECTIONS *4 OCCURRENCES: 2 AT F
10 ADJUST CONNECTION FOR PROPER SEAT *2 OCCURRENCES: 2 AT FAUCET CONNECTION
11 GET AND ASIDE TOOLS *3 OCCURRENCES: WRENCH 2 TIMES ; KNIFE 1 TIME
12 THIGHTEN NUT WITH WRENCH AT FAUCET/SHUTOFF VALVE C ONNECTION 4 OCCURRENCES: 2 AT FAUCET; 2 AT SHUTOFF
13 OPEN AND CLOSE KNIFE
14 MEASURE AND MARK LENGTH OF LINE
15 CUT LINE TO LENGTH
16 DISCARD CUT OFF PIECE OF LINE
17 DEBURR END OF LINE *2 OCCURRENCES
18 BODY MOTIONS *2 OCCURRENCES

DT 914 1 WALK
2 GET AND PLACE/REMOVE PAIL UNDER WATER SUPPLY STUB
3 MEASURE AND MARK LENGTH ON WATER SUPPLY STUB *2 OC CURRENCES: 1 HOT; 1 COLD
4 GET AND ASIDE TOOL/SUPPLIES *8 OCCURRENCES: 1 TUBE CUTTER; 1 DEBURRING TOOL; *1 EMORY CLOTH;1 TORCH,
5 POSITION TUBE CUTTER TO MARK AND CUT OFF COPPER SU PPLY STUB *2 OCCURRENCES: 1 HOT; 1 COLD
6 DISCARD PIECE CUT OFF WATER SUPPLY LINE *2 OCCURRE NCES
7 CLEAN O.D. OF COPPER WATER SUPPLY LINE WITH EMORY CLOTH AT CONNCECTION *2 OCCURRENCES
8 UNPACK PARTS
9 GET AND PLACE ADAPTER ON WATER SUPPLY LINE *2 OCCU RRENCES:1 HOT; 1 COLD
10 OPEN AND CLOSE CAN OF SOLDER FLUX
11 APLLY FLUX TO I.D. OF ADAPTER AND O.D. OF WATER SU PPLY LINE *4 OCCURRENCES OF APPLICATION; 2 ADAPTER
12 GET PROPANE TORCH,SETUP AND ASIDE *1 OCCURRENCE
13 GET AND ASIDE SOLDER *1 OCCURRENCE
14 UNROLL AND ROLL UP SOLDER *1 OCCURRENCE
15 HEAT CONNECTION WITH PROPANE TORCH *2 OCCURRENCES: 1 HOT; 1 COLD
16 APPLY SOLDER TO CONNECTION *2 CCURRENCES: 1 HOT;1 COLD
17 WIPE OFF CONNECTION *2 OCCURRENCES: 1 HOT; 1 COLD
18 SPREAD CLOTH UNDER CONNECTION TO CATCH DRIPPING SO LDER *1 OCCURRENCE
19 INSTALL SHUTOFF VALVE ON ADAPTER *2 OCCURRENCES

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DT  915  1 GET AND ASIDE PIPE THREAD TAPE *1 OCCURRENCE
         2 WRAP THREADS OF ADPATER WITH PIPE THREAD TAPE *1 O
           CCURRENCE
         3 GET AND POSITION SHUTOFF VALVE TO CONNECTION *1 OC
           CURRENCE
         4 INSTALL SHUTOFF VALVE ON ADAPTER HAND TIGHT *1 OCC
           URRENCE
         5 GET AND ASIDE 2 WRENCHES *2 OCCURRENCES OF REFEREN
           CE
         6 ADJUST WRENCHES TO SIZE *2 OCCURRENCE OF REFERENCE
         7 TIGHTEN CONNECTION WITH 2 WRENCHES *1 OCCURRENCE
         8 FINAL TIGHTEN TO POSITION OUTLET SIDE OF SHUTOFF V
           ALVE TO PROPER ALIGNMENT *1 OCCURRENCE
         9 BODY MOTIONS *2 OCCURRENCES

DT  916  1 POSITION PIPE TO CONNECTION AND REMOVE FOR CUTTING
         2 MEASURE AND MARK PIPE FOR CUTTING
         3 CUT COPPER PIPE USING TUBING CUTTER
         4 BODY MOTIONS *2 OCCURRENCES

DT  917  1 GET AND POSITION TUBING CUTTER TO MARK
         2 CUT COPPER PIPE
         3 DISCARD PIECE OF PIPE CUT OFF
         4 LAY ASIDE TUBING CUTTER

DT  918  1 GET PIPE/NUT/WASHER AND POSITION.
         2 POSITION PIPE TO MATING CONNECTION.
         3 SLIDE WASHER/NUT TO CONNECTION.
         4 HAND TIGHTEN NUT.
         5 ADJUST ASSEMBLY.
         6 BODY MOTIONS.

DT  920  1 GET AND PLACE CAN
         2 GET AND POSITION PRY TOOL TO RIM OF CAN
         3 PRY OFF LID FROM CAN *3 OCCURRENCES
         4 GET AND ASIDE LID
         5 ASIDE PRYING TOOL
         6 GET AND PLACE LID ON CAN
         7 APPLY PRESSURE TO LID BY HAND TO SEAL *3 OCCURRENC
           ES
         8 GET AND ASIDE CAN

DT  921  1 GET AND ASIDE CAN
         2 GET AND PLACE TOOL INTO PUTTY IN CAN
         3 PRY OUT PUTTY WITH TOOL *3 OCCURRENCES OF REFERENC
           E
         4 TRANSFER PUTTY TO HAND FROM PRYING TOOL
         5 ASIDE PRYING TOOL
         6 ROLL PUTTY INTO ROPE SHAPE *8 OCCURRECES OF REFERE
           NCE
         7 ROLL PUTTY INTO ROPE SHAPE *8 OCCURRENCES OF REFER
           ENCE
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DT  922  1 GET AND ASIDE PIPE THREAD TAPE *1 OCCURRENCE
         2 WRAP THREADS OF ADPATER WITH PIPE THREAD TAPE *1 O
           CCURRENCE
         3 GET AND POSITION SHUTOFF VALVE TO CONNECTION *1 OC
           CURRENCE
         4 INSTALL SHUTOFF VALVE ON ADAPTER HAND TIGHT *1 OCC
           URRENCE
         5 GET AND ASIDE 2 WRENCHES *2 OCCURRENCES OF REFEREN
           CE
         6 ADJUST WRENCHES TO SIZE *2 OCCURRENCE OF REFERENCE
         7 TIGHTEN CONNECTION WITH 2 WRENCHES *1 OCCURRENCE
         8 FINAL TIGHTEN TO POSITION OUTLET SIDE OF SHUTOFF V
           ALVE TO PROPER ALIGNMENT *1 OCCURRENCE
         9 BODY MOTIONS *2 OCCURRENCES

DT  923  1 GET AND POSITION NUT TO THREADS
         2 RUN NUT DOWN ON THREADS BY HAND
         3 GET AND ASIDE WRENCH
         4 OPEN JAWS OF WRENCH TO ACCOMODATE NUT
         5 TIGHTEN NUT WITH ADJUSTABLE WRENCH

DT  924  1 GET AND SIDE TOOLS *2 OCCURRENCES: SCRAPER; RAG
         2 REMOVE EXCESS PUTTY FROM BASE OF FAUCET WITH SCRAP
           ER *3 LIN FT REMOVED*4 OCCURRENCES OF REFERENCE EQ
         3 DISCARD PUTTY REMOVED

DT  925  1 WALK *10 STEPS
         2 UNPACK PARTS
         3 INSPECT PARTS *5 EYE MOTIONS
         4 PLACE SINK IN POSITION FOR ACCESS (SINK ON FLOOR)
         5 GET AND PLACE BASKET *2 OCCURRENCES
         6 REMOVE NUT FROM ASSEMBLY BY HAND AND LAY ASIDE
         7 REMOVE WASHERS FROM ASSEMBLY AND LAY ASIDE *2 WASH
           ERS
         8 OPEN AND CLOSE CAN OF PLUMBERS PUTTY
         9 REMOVE PUTTY FROM CAN AND ROLL INTO ROPE SHAPE
        10 APPLY PUTTY AROUND BOTTOM OF RIM OF BASKET *4 OCCU
           RRENCES OF REFERENCE EQUALS TIME OBSERVED
        11 PRESS PUTTY IN PLACE *8 OCCURRENCES
        12 INSERT STEM OF BASKET INTO DRAIN HOLE IN SINK
        13 APPLY PRESSURE TO SEAT BASKET IN PLACE *10 OCCURRE
           NCES
        14 SELECT PROPER WASHER *2 OCCURRENCES OF REFERENCE
        15 PLACE WASHERS ON STEM OF BASKET *2 OCCURRENCES
        16 GET AND POSITION LOCKING RING TO THREADED STEM OF
           BASKET
        17 RUN DOWN LOCKING RING ON THREADED STEM BY HAND
        18 GET AND ASIDE 2 WRENCHES *4 OCCURENCES: 2 WRENCHES
           ; 2 TIMES EACH
        19 TIGHTEN NUT WITH 2 WRENCHES *2 OCCURRENCES OF REFE
           RENCE EQUALS EFFORT OBSERVED
        20 REMOVE EXCESS PUTTY FROM BASKET ASSEMBLY AND WIPE
           AREA WITH CLOTH *1/3 OCCURRENCE OF REFERENCE EQUAL
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DT  926  1 GET AND POSITION SINK IN HOLE IN COUNTER TOP
         2 WALK
         3 BEND AND ARISE
         4 ALIGN SINK
         5 MEASURE SINK ALINEMENT.
         6 UNPACK CLAMPS
         7 INSTALL CLAMPS TO SECURE SINK TO COUNTER
         8 INSPECT
         9 APPLY CAULKING

DT  927  1 WALK
         2 UNPACK PARTS
         3 GET AND POSITION CLAMP FOR ASSEMBLY
         4 GET AND POSITION FASTENER TO THREADED HOLE IN CLAM
           P
         5 THREAD FASTENER INTO CLAMP BY HAND
         6 LAY CLAMP ASSEMBLY ASIDE
         7 GET AND ASIDE SCREWDRIVER *2/5 OCCURRENCE
         8 POSITION/REPOSITION BODY UNDER SINK
         9 GET AND ORIENT CLAMP ASSEMBLY FOR INSTALLATION
        10 PLACE CLAMP ASSSEMBLY ON INSTALLATION CHANNEL ATTA
           CHED TO BOTTOM OF SINK
        11 REPOSITION CLAMP ASSEMBLY ON CHANNEL
        12 HAND TIGHTEN FASTENER OF CLAMP ASSEMBLY
        13 TIGHTEN FASTENER WITH TOOL TO SECURE SINK TO COUNT
           ER TOP

DT  928  1 WALK
         2 UNPACK PARTS
         3 INSPECT PARTS *3 OCCURRENCES OF REFERENCE
         4 SET PARTS ASIDE
         5 PLACE SINK IN POSITION FOR ACCESS (SINK ON FLOOR)
         6 GET AND POSITION NUT TO ACCESS FACE
         7 OPEN AND CLOSE CAN OF PLUMBERS PUTTY *1/4 OCCURREN
           CE OF REFERENCE
         8 ACCESS PLUMBERS PUTTY AND ROLL INTO ROPE SHAPE *1/
           4 OCCURRENCE OF REFERENCE
         9 PLACE PUTTY TO FACE OF NUT
        10 PRESS PUTTY IN PLACE *4 OCCURRENCES OF REFERENCE
        11 GET SPRAYER HOSE HOUSING AND INSERT THREADED STEM
           INTO HOLE IN SINK LEDGE
        12 POSITION NUT TO THREADS ON STEM OF HOSE HOUSING; R
           UN DOWN NUT ON THREADS; TIGHTEN NUT WITH WRENCH
        13 REMOVE EXCESS PUTTY FROM NUT WITH FINGER
        14 GET AND POSITION SPRAYER HOSE FOR INSTALLATION
        15 INSERT END OF HOSE ASSEMBLY INTO HOLE IN HOUSING
        16 PULL HOSE THROUGH HOUSING
        17 GET AND ASIDE PIPE THREAD TAPE
        18 WRAP THREADS OF CONNECTION ON END OF HOSE WITH PIP
           E THREAD TAPE
        19 INSTALL HOSE TO FAUCET CONNECTION
        20 UNTWIST HOSE AS CONNECTION IS TIGHTEN *10 OCCURREN
           CES
        21 GET AND ASIDE WRENCH
        22 ADJUST SIZE OF WRENCH
        23 TIGHTEN CONNECTION WITH WRENCH
        24 BODY MOTIONS
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